No. 133

W. Elliot Woodward's

NINETY-SEVENTH SALE.

Archaeology.

MONDAY, TUESDAY, and WEDNESDAY,

AUGUST 27, 28, 29, 1888.

CATALOGUE

OF AN

ARCHAEOLOGICAL COLLECTION

Made by Dr. R. H. TREMPER, of Albion, Mich.,

CONSISTING OF

Prehistoric Relics in Stone, Flint, etc.,

From various Localities in Michigan.

The whole to be Sold by Auction

By Messrs. BANGS & CO.,

739 & 741 BROADWAY, NEW YORK CITY,

MONDAY, TUESDAY and WEDNESDAY,

August 27, 28, 29, 1888.

Goods on Exhibition on days of Sale at 10 A. M., and the Sale will commence promptly at 2 P. M.

Catalogue by W. Elliot Woodward.

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CORRESPONDENTS are requested to send early orders, thus giving me time to enter them in my books before I leave for New York. It is not an uncommon thing for me to have a greater number of orders than there are lots in the catalogue and many often arrive too late. Writing as I do, with difficulty, it is very desirable that those who wish to entrust their orders to me, should send them as early as possible, that they may receive proper attention. Address as below; but late orders may be sent to me at New York, care of the auctioneers.

The coin dealers of New York, Baltimore, Philadelphia and Lancaster, Pa., will also receive and faithfully execute bids that may be placed with them. As many inquiries are sent me asking for catalogues to complete files, I have prepared a printed list of those that can be supplied, neatly priced in ink, to the 101st inclusive, which will be sold at prices named. This list will be sent on application.

W. ELLIOT WOODWARD,

260 Dudley Street, Roxbury.

CATALOGUE.

RELICS OF THE STONE AGE.

1 Gorget of hard coal, dug from an Indian mound, Wilkinson Co., Miss. A rare object of rare form.

2 Oval chipped knife of jasper. 2½ x 1¼ inches. Fine.

3 Prehistoric relics; a most curious collection of photographs.

4 Black tourmaline crystals in a gangue.

5 Native copper inclosed in crystals of calcite.

6 Eye agate, polished red. Red in agate is a very rare color.

7 Cocoanut shell, carved into a water-cup; South America.

8 Rose quartz, large specimen. 5 x 5 inches.

9 Prehistoric Indian Relic. Hard stone, appears to be of jade.

10 Photograph of two human form idols, found at South Bend, Ind.

11 Back-bone of a fish; length 11 inches, from Little River, Georgia.

DISCOIDAL STONES.

The variety of stone relics herein contained, does not present the usual proportion of fine objects which I have heretofore been able to offer to archaeologists. For the lack of such pieces my only apology is, they can no longer be found. The fact is well known and deplored by all collectors, that the handsome and well-finished objects scarcely turn up once in an age, in the present period. Discoidal Stones included under this head present a wide variety. They vary in diameter from one-fourth of an inch to nearly 12 inches, and in thickness from a single line to 2, 3, and 6 inches. In many of them the surface is found nicely scooped out.

Some are convex, some plano-convex, and varying in form. Many are well defined as "bung-shaped," which gives perhaps as fair an idea as can be formed of them. Without further explanation I proceed to catalogue them, and no further attempt is made to define the forms under which they so often appear.

12 Discoidal stone, nearly globular; variety frequently found among Scandinavian relics, and known as whorl stones. Fine; diameter 4 inches.

13 Discoidal Stone, hemispherical in shape, and said to be used by the Indians in the fabrication of their arrow-points.

14 Discoidal Stone, oval; in the form usually called a "lap-stone" from the use to which it is so commonly applied by shoemakers.

15 Discoidal Stone, oval in form, and nearly approaching the usual "hammer stone." Ark. The depressions in this piece are hardly more than thumb and finger marks. The stone is usually known as a hammer-stone or anvil.

16 Discoidal stone. This stone is clearly of steatite or pot-stone. From its source I have always considered it liable to doubt, having never been able to trace it beyond Cincinnati, which makes it at least questionable. Diameter, 5 inches, thickness, 3 inches.

17 Discoidal stone; dark, nearly black, nicely made. Ark.

18 Discoidal; diameter, 3 x 2; of quartz; nicely made.

19 Hammer stone; thumb and finger marks; nicely made.

20 Hammer stone, Lehigh, Pennsylvania; good.

21 Discoidal. Rhea, East Tennessee. One depression.

22 Disc. Clay County, N. C.

23 Quartz, convex. Finely made.

24 Disc. Swain Co., N. C. Only one depression, bung-shaped.

25 Disc, plano-convex, thin. Tennessee.

26 Disc. Georgia.

27 Disc. Georgia. Irregularly concave.

28 Stone from an Indian grave, Clay Co., N. C.

29 Bung shaped disc. Dark stone, one depression.

30 Disc, plano-convex. N. C.

31 Disc. Double depression; diameter, 5 inches.

32 Disc, sandstone or quartz; Tennessee. Diameter, 5 inches.

33 Disc, double convex; Clay Co., N. C.

34 Disc, black bung-shape. Clay Co., N. C. 3 inches in diameter.

35 Disc, nearly flat; Mississippi.

36 Disc, oval, light color; dia., 4 in.

37 Disc, two depressions, nearly round, 4 in.

38 Disc, of reddish stone. Lincoln Co., N. C.

39 Disc, seems to be of honestone, double concave.

40 Disc, or hammer-stone; from Spottswood, N. J.

41 Disc, bung-shaped; Rhea, Tennessee.

42 Disc, double concave; nicely made. 2 in. diameter.

43 Disc, double concave; Lincoln Co., Middle Tennessee. 4 in. diameter.

44 Disc, or hammer Stone, quartz, double convex; McDowell Co., N. C.

45 Disc, sandstone, Lincoln Co., Tenn.; dia., 2 in.

46 Oval disc or hammer stone, with thumb and finger dents, nearly black; from the Pennypacker collection.

47 Disc, with finger pits; nearly black; 6 in., dia.

48 Disc, double convex, black; Macon Co., N. C. Diameter, 5 in.

49 Disc, double convex; Clay Co., N. C. Diameter, 4 in.

50 Fine Disc with thumb and finger pits; Lincoln Co., Tennessee. Diameter, 3 in.

51 Ball or Disc, dark stone.

52 Oval implement, probably water-worn.

53 Disc; Clay Co., N. C. 3½ in.

54 Disc, or rubbing-stone; Scandinavian.

55 Disc with finger prints; Middle Tennessee.

56 Flint Disc, nicely wrought, nearly polished; Tennessee.

57 Anvil or Disc; Tennessee River. 2 x 3 in.

58 Double convex Discoidal; MacDowell Co., N. C.

59 Oval hammer stone; Clay Co., Tenn.

60 Small anvil, oval; Tenn.

61 Double concave disc; originally finely wrought, broken.

62 Discoidals, mostly of small size, but characteristic in quality and nicely wrought; most of the varieties in form. A remarkable collection. Various localities, south and west. 20 pcs.

63 Disc, nearly ball-shape ; several are Scandinavian whorl stones, and many are extremely fine. 55 pcs.

64 Disc, or net-sinker, nearly oval.

65 Disc, or anvil stone, double convex ; Lincoln Co., Tenn.

66 Hammer Stone ; North West North Carolina. 5 in. dia.

67 Discoidal, double convex ; nearly black, thin.

PIPES, AXES, ETC.

68 Plaster cast of a Pipe of a class not easily describable ; represents a prostrate human figure lying on the back, face upward. This object, when found, was dug from a mound in Wisconsin, and is now the property of Mr. Ladd, of Lake Winnipisaukee ; obtained by Mr. Ladd from the finder, to whom various tempting offers have been made for its possession. Length 15 in., width and depth 4 in.

69 A Snake Pipe, horribly suggestive of the rattlesnake ; said to be from a mound in Barton Co., Georgia ; length 7 x 3 x 3 in. This object is of soapstone, and being of Cincinnati origin of course subject to a doubt.

70 Pipe, from an Indian mound in Georgia ; beautifully finished and nicely polished. 5 x 4 in. One of the finest pipes I have ever met with.

71 Pipe or Calumet, of large size, found in a mound in Valley River, N. C.

72 Soapstone Pipe, so suggestive in its form as hardly to be mistaken ; from Hiawassa River, Clay Co., N. C.

73 Oval vessel, cut from soapstone ; fine ; capacity about one pint. 4 x 3.

74 Perforated Axe from Scandinavia ; nicely made. 6 x 2½.

75 Pestle from Rhode Island ; rude, but a good implement.

76 Pestle with flat and large head ; much more common than the last form ; white. 6 x 4.

77 A large size Axe of remarkable density ; its weight being nearly equal to cast iron. For a long time supposed to be hematite, and distinguished as meteoric iron, for which it was once sold. 12 x 5. In two fragments which match each other.

78 Long Pestle; from the Valley of the Connecticut. Length, 13 in., dia., 3 in.

79 Flat-headed Pestle, or nut-cracker; from Ohio.

80 Object of red jasper-like stone, nearly ball form in shape. 3 x 5.

81 Calumet or Pipe of Peace; soapstone, neatly wrought. 5 x 3 in.

82 Flat-headed Pestle; Ohio.

83 Flat-headed Pestle, with depression; seems to have been used as a nut-cracker. 5 x 4.

84 Hammer stone; nearly round.

85 Curved flint Chisel; Scandinavia. 6 x 2.

86 Quadrangular Pestle. 12 x 2½.

87 Broken roller-shaped Pestle. 6 x 2.

88 Jasper flat-headed Pestle; from the Pennypacker collection. 5 x 3.

89 Calumet; "Field find" in Polk Co., Tenn. 4 x 3. A serpent on the base; fine. From the reverence of the Mound-builders for the serpent, this may have such an origin.

90 Hammer stone or Disc; New Albany, Ind. 3 x 4.

91 Disc or Ball-stone, nearly globular; dia., 3 in.

92 Disc or ball stone; dia. 3 in.

93 Flat-headed Pestle, marked depression in flat portion. 6 x 4.

JEWELRY ARROW POINTS FROM OREGON.

These Arrow Points were formerly of frequent occurrence. They were not only beautiful but plentiful and cheap, but for some years they have been almost unknown among collectors.

95 Arrow Point; of beautiful shield-shape form, elegantly wrought and of light tint, being of reddish cream color.

96 Arrow Point: base deeply notched or barred. 1 in.

97 Arrow Point ¾ in. narrow and pointed; fine.

98 Arrow Point; obsidian; fine.

99 Arrow Point; red jasper, pointed and barbed at nearly right angles; very fine.

100 Arrow Point; red jasper.

101 Arrow Point; curved.

102 Arrow Point of grey jasper, slightly curved laterally, keenly pointed.
103 Arrow Point, opalescent. ¾ in.
104 Arrow Point, jasper, sharply pointed. 1 in.
105 Arrow Point, nearly triangular ; very fine. ½ in.
106 Arrow Point ; a war point of nearly reddish tint. ¾ in.
107 War Point of smoky quartz. ¾ in.
108 Jewelry Point, obsidian, nearly black. 1 in.
109 Jewelry Point, sharp. 1 in.
110 Jewelry Point, broadly expanding base.
111 Jewelry Point, obsidian ; fine.
112 Jewelry Point, obsidian, curved ; fine.
113 Jewelry Points. ¾ in. 2 pcs.
114 Jewelry Point, red jasper.
115 Jewelry Point, red jasper. ¾ in.
116 Jewelry Point, red jasper ; fine.
117 Jewelry Point, deeply barbed.
118 Jewelry Point, light yellowish color. ¾ in.
119 Jewelry Point, broad open base, cloudy opal.
120 Arrow Point, obsidian, nicely wrought.
121 Arrow Point, red jasper, fine pointed.
122 Arrow Point, red jasper, barbed ; fine.
123 Arrow Point, obsidian, black.
124 Arrow Point ; jasper, yellowish color.
125 Arrow Point ; light jasper.
126 Arrow Point, obsidian ; fine.
127 Jewelry Point, reddish agate.
128 Jewelry Point, reddish agate.
129 Jewelry Points, Oregon ; all extra fine. 4 pcs.
130 Jewelry Points, Oregon ; all extra fine. 4 pcs.
131 Jewelry Points, Oregon ; all extra fine. 4 pcs.
132 Jewelry Points, Oregon ; all extra fine. 4 pcs.
133 Jewelry Points, Oregon ; all extra fine. 4 pcs.
134 Jewelry Points, Oregon ; all extra fine. 4 pcs.
135 Jewelry Points, Oregon ; all extra fine. 5 pcs.
136 Jewelry Points, Oregon ; all extra fine. 5 pcs.
137 Arrow Point, Tennessee ; size above the ordinary jewelry.

KNIVES, SPEAR HEADS, ETC.

138 Flint Knife, Scandinavia. 4 x 2.
139 Flint Knife, Northern Europe. 4 x 3.
140 Spear Head, brown jasper, Hampden, Mass. 6½ x 2½.
141 Flint Celt, Northern Europe; end broken. 6 x 2.
142 Flint Chisel or knife, from Calhoun Co., Ill. 4 x 2.
143 Spear Head or knife, Ohio. 4 x 2.
144 Red jasper Spear. 7 x 2.
145 Celt of flint; from Northern Europe. 4 x 1¾.
146 Spear Head, chert; Missouri. 4 x 2.
147 Knife or Spear Head; Middle Tennessee. 4 x 2.
148 Agricultural Implement; Middle Tenn.
149 Large Knife, nearly oval, chert; Eastern Tenn.
150 Knife or Spear Head; Middle Tenn. 6 x 2.
151 Oval Knife or Spear Head, dark stone; Central Michigan. 4 x 2½.
152 Flint Knife; Scandinavia. 3½ x 2.
153 Flint Knife; Northern Europe. 3 x 2.
154 Dagger or Spear Head, flint, beautifully chipped; Denmark. 7 x 2.
155 Narrow Chisel, flint; Denmark. 3 x 1.
156 Lance Head, finely chipped, flint; Northern Europe. 5 x 2.
157 Spear Head or Lance Point, chert; from Middle Tenn. 5 x 2.
158 Flat concave Knife. 3 x 2.
159 Oval flint Knife; from a cache of 70 pieces found in Tennessee.
160 Large Spear Head of mottled chert. 3 x 2.
161 Lance Head or Dagger, flint; from the North of Europe. 3 x 2.
162 Lance Head of mottled flint, finely wrought, from North of Europe. 6 x 2.
163 Flint Knife, Rhea Co., Tenn.
164 Curved large Arrow Point, Ironton, Ohio. 2½ x 1½.
165 Thin Knife, Ohio. 2 x 3.
166 Narrow Spear Head, Cooper Co., N. C. 4 x 1½.

167 Large curved Spear Head, Cooper Co., N. C.
168 Large Arrow Point, somewhat triangular. 2 x 1.
169 Narrow flint Chisel, Scandinavia. 3¼ x 1½.
170 Black-slate Point, Munroe Co., Pa. 1 x 1¼.
171 Flint Knife; contains well defined portion of crust of flint. 4 x 1.
172 Spear Head of yellow jasper, Missouri. 4 x 2.
173 Spear Head, graceful, from Ohio.
174 Spear Head, long pointed, yellow jasper.
175 Sharp Knife, Central Ohio. 4 x 2.
176 Fine Spear Head, one point broken. Ga.
177 Flint-flaked Knife, North of Europe. 1½ x 3.
178 Large Spear Head of yellow quartz, South Central Missouri. 2 x 4.
179 Small Dagger or Lancet, black flint; Scandinavia. 5½ x 2.
180 Narrow Lancet, beautifully chipped. 5 x 1¼.
181 Another narrow Lancet; North of Europe. 5 x 1½.
182 Pointed narrow Lancet; North of Europe. 4 x 1½.
183 Gun Flint. 2 x 1½.
184 Stone wrought by the Indians for making Arrow Points; Missouri. 2½ x 2.

CELTS, GORGETS, BEADS, ETC.

185 Rude flint Celt; from the North of Europe. 9 x 3.
186 Celt, rudely wrought; from Scandinavia. 6 x 4.
187 Discoidal; presumed to be of European origin.
188 Celt flint; Scandinavia; a portion nicely polished, the remainder in the rough.
189 Rough, rude Celt of flint; from Scandinavia. 10 x 4½.
190 Celt, in part nicely finished. 7 x 3.
191 Celt of yellow flint; a pretty implement, though left incomplete.
192 Knife-form Celt. 5½ x 4.
193 Celt with flats polished, the edges chipped.
194 Celt, rudely chipped, well formed as to shape. 8 x 3.
195 Celt, nicely blocked out, but unfinished. 7 x 2½.

196 Flint Celt, the bulk of which remains unwrought. 4 x 2½.

197 Celt, both faces nicely polished, the edges rough, top nearly square.

198 Celt, rudely wrought, evidently of American workmanship. 7 x 3.

199 Celt, blocked out, approaching completion. 7 x 3.

200 Celt, flats and sides mainly polished, head square. 6x1¾.

201 Rude rough Celt of Scandinavia. 9 x 5.

202 Small Celt, Missouri. 4 x 2.

203 Mammal, so called by Mr. Linney, as indicating some preferences of savage man. A pretty white object resembling alabaster. 2 x 1.

204 Net Sinkers, Florida. 4½ x 2.

205 A finely wrought, but imperfect object, from Lincoln Co., Tenn.

206 Like the object No. 203, but appears to be of hematite or iron ore.

207 Flint Celt, partly polished; nice implement. 7½ x 3.

208 Flint Implement, the thin edges nicely polished; Scandinavia; fine. 20 x 3.

209 Pipe, bowl broken; Ohio. 4 x 4.

210 The God of Longevity; Japan; with sword, club and apron; fine. A nice carving in ivory. 4½ x 2.

211 Mammal, polished limestone. 2½ x 1½.

212 Target Stone, oval, nearly globular, for practice in archery; fine. 1½ x 1.

213 Pestle or Muller: Western Mass. 3¼ x 1.

214 Gorget, slate: Lehigh Valley, Penn. 4 x 2.

215 Stone Bead; fine, polished. Dia., 1½ in.

216 Gorget, slate, polished. 1 x 2.

217 Small Celt, hematite; Ironton, Ohio. 3 x 1¼.

218 Small Sinker, slate: Lehigh Valley. 4 x 2.

219 Drill, base triangular; Ohio; very fine. 2¼ x 1.

220 Bevelled Arrow Point, broad stem, chalcedony; fine. 2½ x 1½.

221 Bead, transparent quartz; Ohio; perfect and *very rare*.

222 Arrow Point; Tyrone, Ireland. 1⅝ x ⅜. Irish arrow points are *very rare*.

223 Arrow Head, deeply barbed, one curved barb broken; Armagh, Ireland. 1⅛ x ⅞.

224 Scrapers, of rare material like the jewelry points, Oregon. 8 pcs.

225 Bead of black stone, ornamented with a circle in lozenge shape; fine.

226 Barbed Arrow Points, jasper, Oregon. 2 x 1. 2 pcs.

227 Arrow Points, long and graceful form, Oregon; all fine. 5 pcs.

228 Whorl Stone, perforated, edge corrugated, Jutland, similar dug up at Veile, Jutland; fine; dia. 1 in.

229 Stone Beads, perforated, different diameters.

230 Arrow Point, leaf-shape, chalcedony, a minute particle gone from the point.

231 Oregon Arrow Points, feldspar, obsidian, etc. 16 pcs.

232 Bead of agate, perfect; diameter ¾ in.

233 Arrow Head with long barbs; very fine, one unfortunately broken; Armagh, Ireland.

234 Arrow Head, County Down, Ireland; one barb broken, otherwise fine. Irish arrow points are always *very rare.*

235 Arrow Points, Oregon; all fine. Average 2 in. long. 7 pcs.

236 Beads, Wampum, perforated, of red and white stone; fine, *rare.* 67 pcs.

237 Long cylindrical Beads, mostly of shell, of graceful form. 18 pcs.

238 Shell Bead from the centre or columella of a conch shell. South Carolina.

239 Arrow Points, leaf-shaped; fine lot, some variegated and clouded, from Swanton, Vermont.

240 Beads from the centre or columella of a conch shell; fine. 9 pcs.

241 Spear Head, rounded base; Ohio. 4 x 1½.

242 Drills or Perforators; both fine, with handles. Length, 4 x 2 in. 2 pcs.

243 Arrow Points, obsidian; large and small; from Cassia Co., Idaho. 11 pcs.

244 Jewelry Points, New Mexico. Great variety.

245 Bead of marble, slender perforation: perfect. ⅝ in.

246 Bead stone, large perforation for the size of the stone; Mexico.

247 Harpoon with indented base, of blueish stone, from Falster; very fine. 4 in.

248 Ornaments wrought from the abalona shell, from the islands of the Pacific, west of California, strung with glass beads of several inches in length. *Rare.* 3 pcs.

249 Arrow Points, Oregon; some of extra large size; fine. 10 pcs.

250 Triangular Arrow Point, one side flattened. Very rare form. 3 in.

251 Oregon Arrow Points from the banks of the Willamette River; various sizes and forms, some extra large.

252 Oregon Arrow Points; fine, of extra size. 7 pcs. Some more than 2 in. in length.

253 Barbed Spear Point. 1½ x 2.

254 Oregon Jewelry Points, mostly of light color, red stone.

255 Oregon Arrow Points, obsidian, etc. 30 pcs.

256 Stone Bead, variegated in color; fine and *rare*, dia. 1 in.

257 Flattened stone Bead, as an ornament, in a circular band; fine; dia. ¾ in.

258 Long barbed Arrow Point, Tyrone, Ireland. One barb broken, otherwise fine.

259 Stone Beads, flesh color and *rare*. 2 pcs.

260 Spear Head, nicely chipped, Scandinavia. A nice implement. 5½ x 1½.

261 Lance Head, chipped flint, Scandinavia. 4 x ¾.

262 Flint Oyster Knife, Scandinavia. 4½ x 1½.

263 Knife, approaches in form the semi-lunar: nicely chipped. 4 x 1½.

264 Long-pointed Spear Head, finely chipped, Northern Europe. 6 x 1½.

265 Curved Arrow Head, of dark jasper. 2½ x 1 in.

266 Oval Knife of flint, Scandinavia. 6 x 2.

267 Whorl Stone, perforated. Dia., 2 in.

268 Long slender Lancet, neatly chipped from flint, Denmark. 7 x 1¼.

269 Celt from green stone, resembling jade, Mexico. 3½x2.

270 Gorget, slate, Ohio; finely wrought.

271 Long Bead, resembles ivory and believed to be so; longitudinal perforation. Dug from the grave of an Indian, probably of pre-historic period. Fine, *rare*.

272 Semi-lunar Knife; flint; Denmark. 6 x 2½ in. A scarce implement.

273 Triangular Knife, serrated; fine and very rare. 3 x ⅜ inches.

274 Lance head, edge serrated; Denmark. Fine. 4 x 1¾ inches.

275 Narrow Danish Chisel, of rock flint. 4½ x 1½ in.

276 Narrow flint Lance head, from Denmark; finely wrought. 4¾ x 1¾ in.

277 Narrow Chisel, neatly chipped; Denmark. 3¼ x 1 inch.

278 Small Celt or Chisel; Denmark. 2½ x 1½ in.

279 Pendant of reddish slate, neatly polished. 3½ x 2½ in.

280 Long pointed lance Head, flint; Denmark. 4¼ x 1¼ inches.

281 Unfinished triangular Arrow head, of nearly black flint. 3½ x 1 in.

282 Fine lance head, neatly chipped and finished. 4 x 1½ inches.

283 Fine Lance head. 4 x 1½ in.

284 Revolving Arrow point, broad base. 4 inches.

285 Arrow points, large and small; a nice lot. 15 pcs.

286 Arrow or Spear points, from Ohio; fine lot on card. 15 pcs.

287 Arrow points, Lock Haven, Pennsylvania; on card; fine lot. 8 pcs.

CHISELS, SPEAR HEADS, CELTS, ETC.

288 Flint Chisel or Celt, faces polished, edges chipped. 4 x 1½ in.

289 Flint Lance head, Denmark; fine. 4 x 1½ in.

290 Lance head, broad base, West Central Missouri; fine. 4 x 2 in.

291 Lance head, one base squared, the other semi-cylindrical. 4 x 1½ in.

292 Spear head, notched base, Ohio. 3½ x 2 in.

293 Knife-shaped Spear head, thin, semi-elliptical, Ohio. 3¼ x 1¾ in.

294 Arrow points; a selected assortment, variety in work and material; Penn.; small size for Penn; mounted on card. 22 pcs.

295 Oregon points, a variety, clouded to black. 4 pcs.

296 Semi-elliptical Spear heads, with stem. Penn. 2 pcs.

297 Celt, flats polished, edges neatly chipped, top square. Denmark. 4½ x 2 in.

298 Agricultural Implement from East St. Louis. 8 x 4 inches.

299 Chisel, or Celt of slate. Conn. 5 x 2 in.

300 Celt, slate, flats neatly polished, edges chipped, top square. Denmark.

301 Square Chisel of red flint, top square, flats polished. Denmark. 4 x 1½ in.

302 Celt of light-colored flint, faces polished, edges chipped. 6 x 2 in.

303 Chisel, or Celt of dark flint, faces polished, top thin. 5½ x 2½ inches.

304 Celt, sides polished, translucent, of unusually dark color. Denmark.

305 Celt, sides polished, top square, edges chipped. 6 x 3 inches.

306 Reddish Celt, both sides polished. 4 x 2½ in.

307 Agricultural Implement or Spade, from Cahokia, Ill.; a fine Implement. 10 x 5 in.

308 Celt, flint, large portion polished. Denmark. 4 x 2½ inches.

309 Celt, flint, faces polished, edges chipped. Denmark. 5 x 2½ in.

310 Celt, polished sides of unusual thickness. 6 x 2½ in.

311 Celt, sides and edges partially polished; length 4 x 3 inches.

312 Thick Celt, faces fairly polished. 6 x 2 in.

313 Thick Celt, flint, faces polished. Denmark. 6 x 2 in.

314 Celt, imperfectly made, only blocked out; flint, chipped. 4½ x 2½ in.

315 Celt or rudimentary gouge, chipped. 4½ x 2¼ in.

316 Celt, fairly finished, mostly polished. 4 x 2¼ in.

317 Celt, faces polished, edges broken. 4½ x 2½ in.

318 Celt of dark flint. 4½ x 3 in.

319 Celt, partly chipped, Denmark. 6 x 2½ in.

320 Celt, mostly polished, Denmark. 5 x 2½ in.

321 Arrow points, one doubly barbed, several fine ones of jasper, some from Oregon; all fine. 9 pcs.

322 Narrow Chisel, light colored flint, from Denmark. 6½ x 2 in.

323 Elliptical flint Knife, Denmark; fine. 6 x 1½ in.

324 Elliptical Knife, broken across the middle, Denmark, 4½ x 1½ in.

325 Oyster Knife, yellowish flint, Denmark. 4 x 2.

326 Nicely chipped flint Spear or lance head, Denmark. 4½ x 1½ in.

327 Lance head, flint, nicely chipped, Denmark. 5 x 1½ in.

328 Yellow colored flint Lance head, elliptical, square base, notched. 5½ x 1½ in.

329 Flaked Knife of flint, Denmark. 4 x 1½ in.

330 Flaked Knife of flint, Denmark.

331 Lance head. Denmark. 4½ x 1½.

332 Elliptical Lance head, neatly chipped, head serrated. 4½ x 1½

333 Keen Knives of flint, made by flaking. 4 x 1¼ and under. 14 pcs.

334 Neatly chipped flint Arrow head, Denmark. 4 x 1 in.

335 Lance head, Denmark; nicely made. 3½ x 1.

336 Lance head, very nicely chipped, end broken. 3½ x 1 inch.

337 Agricultural Implement, Osage Co., Mo. 4 x 2½.

338 Also another, probably designed for the same purpose.

339 Lance Head, finely chipped, Denmark. 4 x 1½.

340 Flint implements from Denmark, more or less perfectly wrought. 4 to 1½ in. 8 pcs.

341 Gouge, or hollow Chisel, but slightly hollow, flint, Denmark. 3½ x 2.

342 Celt, faces polished, edges chipped, Denmark. 2½ x 6.

343 Celt of dark flint, polished on the faces, the edges chipped. Ballerup, Zeeland; fine.

344 Light yellow flint Celt, nicely polished. 4 x 2. A nice little implement.

345 Celt, face polished, edges chipped, square head. 4 x 1½.

346 Celt, flint, faces polished, edges chipped, top oblong. 5 x 3.

347 Celt with polished faces, top oblong; a good example; Denmark. 4 x 3.

348 Celt, chipped all over, North of Europe. 4½ x 2½.

349 Gouge or hollow Chisel. 4 x 2½.

350 Narrow rude Chisel, top nearly pointed. 4 x 2.

351 Celt, faces polished, edges chipped, top nearly square.

352 Celt of dark flint, faces polished, edges chipped, head quadrangular; Jutland.

353 Small narrow Chisel, chipped, yellowish stone. 3 x 1.

354 Celt of dark flint, sides polished, edges nicely chipped. $4\frac{1}{2}$ x $2\frac{1}{2}$.

355 Celt, chipped all over; exterior shows the original crust of the flint. 4 x 2.

356 Celt of dark flint, variegated, nearly black, faces polished, sides neatly chipped; Sweden; fine. 4 x $2\frac{1}{2}$.

357 Celt, chipped; of the form usually marked as an agricultural implement or spade, when found in the West. This is undoubtedly of Scandinavian origin. 6 x 2.

358 Large Spear Head, West Central Missouri. 3 x 2.

359 Celt, partly polished, edges carved and chipped, Denmark. 5 x 2.

360 Celt of light purplish flint, North of Europe. 4 x 2.

361 Celt, flint, shows original crust, chipped all over. 4 x 2.

362 Celt, surface mostly wrought in the form usually called carving; Germany. 4 x $2\frac{1}{2}$.

363 Celt, irregular, chipped all over. 4 x $2\frac{1}{2}$.

364 Celt, dark flint, mostly polished. $3\frac{1}{2}$ x 3.

365 Small Celt, chipped and rudely carved; Russia. 4 x $1\frac{1}{2}$.

366 Narrow Celt, mostly polished; Germany. $3\frac{1}{2}$ x $1\frac{1}{2}$.

367 Celt of dark grey flint, mainly polished all over; a fine implement, though the edge is imperfect. $5\frac{1}{2}$ x 3.

368 Celt, smaller than the last, surface mostly polished. $5\frac{1}{2}$ x $2\frac{1}{2}$.

369 Celt, form approaches triangular, surface polished; Germany. 4 x $1\frac{1}{2}$.

370 Agricultural Tool; Cooper Co., Missouri. 4 x $1\frac{1}{2}$.

371 An implement called by Mr. Linney a Mammal, in form of a flattened cone; Georgia. Height, 1 in., dia., 2 in.

372 Implement like the last, but less approaching the cone shape; appears to be of hematite. 1 in. sq.

373 Great Arrow Head, flint, from Denmark.

374 Discoidal stone; fine, but of small size. Dia. 1 in.

375 Mammal, regular in shape. Dia. $1\frac{1}{4}$ in.

376 Celt, flint, polished faces, fine surface, Germany. $2\frac{1}{2}$x2.

377 Large flint Celt, faces polished, edges chipped, Denmark. 5 x 3.

378 Flint Knife, Denmark. 3 x 2.

379 Nearly triangular flint Celt, faces polished, Denmark. 4 x 2.

380 Discoidal, edges concave, from High Tower River, Georgia. Dia. 2 in.

381 Great Arrow Head, presumed to be from Scandinavia. 3 x $1\frac{1}{2}$.

382 Gouge-like implement of flint, Denmark. Implement resembles a narrow chisel. $5\frac{1}{2}$ x $1\frac{1}{2}$.

383 Large rude Spear Head, Hampden, Mass. 5 x 2.

384 Celt, flint, edges chipped. 4 x $1\frac{1}{2}$.

CELTS OF FLINT FROM DENMARK, ETC.

385 Celt, yellow flint, mostly polished, Denmark.

386 Spear Head, Middle Tenn. 4 x 2.

387 Large flint Celt, blocked out preparatory to finishing; chipped and carved all over. 9 x 3.

388 Another; form resembling the last and equally fine; Scandinavia. $8\frac{1}{2}$ x 4.

389 Large flint Celt, edges polished, nearly completed, top thin. 8 x $3\frac{1}{2}$.

390 Celt, faces polished, edges carved, Scandinavia. 8 x 3.

391 Flint Celt, Northern Europe. 8 x 3.

392 Dark flint Celt, mostly polished, faces finished, edges less completely done. $6\frac{1}{4}$ x 3. A nice implement.

393 Celt of grey flint, faces polished, edges carved, large size and fine. 7 x 3.

394 Flint Celt, rudely finished, Denmark. 6 x $2\frac{1}{2}$.

395 Flint Celt, yellow; has a distinct perforation near one side. 7 x 3.

396 Celt, well formed of light-colored flint, Denmark. 6x3.

397 The bottom of a vessel, believed to have been used for boiling salt; Cooper Co., Mo. Dia., 6 in.; originally of large size.

398 Antique carving of red sandstone, seems to resemble the head of a horse, India.

399 Rude Celt of flint, from Scandinavia; very large size, nearly 18 x 9.

400 Yellowish flint Celt, Germany. 6 x 2½.

401 Celt, edges carved, the head and edge reduced in thickness. 9 x 3.

402 Spade or agricultural implement, Indiana. The surface highly polished by long continued use, probably in mound building.

403 Celt, flint, polished on edges and sides; a nice distinctively finished implement. 6 x 2.

404 Round wrought stone, Lincoln Co., Tenn.

405 Discoidal stone of large size, with two opposite cup-shape depressions; from a mound on Tellico River, Munroe Co., Tenn. Well finished, but the depressions left unpolished. Dia. 5½ in., thickness 3 in.

AXES AND OTHER IMPLEMENTS.

406 Large Celt, of the kind usually described as an Axe with a handle. Received in a collection from Denmark, said to have been brought from C. Eng. A longitudinal groove extends from end to end: a handsomely made and very rare implement, surpasses in quality nearly all American Celts.

407 A Moccasin Stone, in the form of a last. Polished all over, one side chipped by accident. A rare form, though not positively unknown. 12 x 4.

408 Celt, slate, from N. Mich. 8 x 4.

409 Dark Celt, polished nearly all over, both flats and edges. 6 x 2½.

410 Celt, about as finely made as the last, and equally well polished. 4 x 3.

411 Flint Celt, from Denmark. Nearly all polished or nicely made. 6 x 3½.

412 A similar Celt, about as fine as the last. 6 x 3.

413 Skin Dresser; from the Pennypacker Collection. 5½ x 2.

414 Canoe-shaped object; has two perforations; good and *rare*. 4½ x 1½.

415 Skin Dresser, from the Pennypacker collection.

416 Discus of dense stone, resembling hematite, Ohio. 4½ x 4.

417 Semi-oval object, appears to be hematite. 2 x 3.

418 Dagger, finely chipped, the point broken, Denmark. $5\frac{1}{2}$ x $1\frac{1}{4}$.

419 Celt, partly polished, Denmark. 6 x 3.

420 Large Discoidal, oval, doubly convex, Macon Co., N. C. 4 x $2\frac{1}{2}$.

421 Large Discoidal, similar form. 4 x $2\frac{1}{2}$.

422 Bung-shaped Discoidal, one side depressed. Clay Co., N. C. $2\frac{1}{2}$ x 3.

423 Large grooved Axe, grooved diagonally. 9 x 5.

424 Large Celt, Ohio. 8 x 4.

425 Large Celt, one side flat. 8 x 4.

426 Gouge : imperfect. 7 x $2\frac{1}{2}$.

427 Pestle or imperfect tube. 6 x 2.

428 Grooved sandstone Axe, Conn. 8 x $3\frac{1}{2}$.

429 Sandstone Celt, Conn. 6 x $3\frac{1}{2}$.

430 Grooved Axe, metamorphic slate. 3 x 4.

431 Pointed Celt, sandstone, of good form, High Tower River. 8 x $2\frac{1}{2}$.

432 Celt, sandstone, sides nearly parallel, from Barton Co., Ga. 9 x 3.

433 Sandstone Celt, High Tower River, Cherokee Co., Ga. $9\frac{1}{2}$ x $2\frac{1}{2}$.

434 Grooved Axe, edge chipped, otherwise nicely finished. 6 x $2\frac{1}{2}$.

435 Rude Grooved Axe, chipped. $4\frac{1}{2}$ x 3.

436 Rude Grooved Axe, chipped. $4\frac{1}{2}$ x 3.

437 Ungrooved Axe or Celt, smooth, nearly polished. Ohio. $4\frac{1}{2}$ x $2\frac{1}{2}$.

438 Celt, seems to be of jasper, one side flat. $4\frac{1}{2}$ x 3.

439 Agricultural Implement, sometimes called a Spade, red jasper, from the Pennypacker Collection. 9 x 4.

440 Celt, nearly round, High Tower River, Cherokee Co., Ga. 5 x $2\frac{1}{4}$.

441 Celt, nicely finished, nearly polished, black. High Tower River, Cherokee Co., Ga.

442 Large Spear Head of red jasper, barbed and fine.

443 Great Arrow Head or perhaps Lance Point, flint ; very fine. These Scandinavian arrow heads thus designated are all, wherever found, *extremely rare.*

444 Great Arrow Point, barbed and deeply notched. $3\frac{1}{2}$x$1\frac{1}{4}$.

445 Great Arrow Head. $2\frac{1}{2}$ x $\frac{3}{4}$.

446 Great Arrow Head, Scandinavia; *rare*. 2 x ¾.

447 Great Arrow Head, Denmark; *rare*. 2 x ¾.

448 Bunt or blunt arrow. 2 x ¾.

449 Double convex Discoidal stone. 4½ x 5.

AGRICULTURAL IMPLEMENTS, POINTS, ETC.

450 Large leaf-shape Spade from Alton, Ill., serrated. This great spade is partly covered by a yellowish natural crust. Finely made and *very rare*. One of the finest implements of this kind that has ever been found; the crust extends through and shows on a portion of the implement. 13¼ x 5.

451 Great Arrow Head, N. Europe. Arrow heads although extremely common in North America are in Europe amongst the rarest of stone relics.

452 Great Arrow Head. Believed to be of American work and material, but doubtless genuine. 4½ x 1.

453 Arrow Heads, a variety running from light yellow to black, representative of forms, nearly all fine, from 1¼ to nearly 3 in. in length. 16 pcs. All from Mississippi. 22 pcs.

454 Drills or perforators, a few slightly imperfect, some with handles: all scarce, several fine. 12 pcs.

455 Arrow Points with a few fine Spear Points, near Natchez, Miss.; fine lot. 47 pcs.

456 Arrow and Spear Points. A fine lot. Osage region, Mo. 12 pcs.

457 Drills or perforators. a variety, some with handles, many fine and unusually good, generally from Missouri and the west. 28 pcs.

458 Arrow Points, black, white and yellow; variety of materials; all fine. 6 pcs.

458*a* Arrow Points, nearly all fine; a few bunts and unsymmetrical forms, a fine lot. 20 pcs. Many with locations marked in ink.

458*b* Arrow Points and fine Spear Points, from the banks of the Schuylkill, Norristown, Pa. The latter triangular, extra fine. 5 x 1¼. 10 pcs.

459 Spear Heads, from Natchez, Miss. 3 pcs.

460 Spear Heads, one serrated, all fine; Natchez, Miss. 6 pcs.

461 Spear Heads, mostly of medium size, extra; Miss. 21 pcs.

462 Spear Heads, mostly of light color, several of quartz; fine lot. 16 pcs.

463 Spear Heads, a number of unusual size, all fine, from Upper Osage Region, Mo. 11 pcs.

464 Spear Heads, Miss., light yellow to flesh color, fine. 5 pcs.

465 Spear Heads and Fish Spears, fine lot, Montgomery Co., Pa. Length, 3 to 6 in.

466 Perforated stone called a sinker. These stones are by some collectors considered to be pipes, though poorly adapted. $2\frac{1}{2}$ x $1\frac{1}{2}$.

467 Broad Arrow Point and thick leaf-shaped one, from Washington, D. C. 2 pcs.

468 Arrow Points, rare forms, large and small. 5 pcs.

469 White quartz Arrow Points, good size and form, Mont. Co., Penn. 6 pcs.

470 Perforators and Arrow Points, Natchez, Miss. 3 pcs.

471 Narrow Chisel, flint, Scandinavia.

472 Narrow pointed War Point, Arizona. $2\frac{1}{2}$ in.

473 Blunt Drill, Ohio. $2\frac{1}{2}$ x 1.

474 Arrow Heads, large and small. A fine lot. 22 pcs.

475 Arrow Points, obsidian, jasper, etc., mostly of the size nominated jewelry points. These points have become very rare. At the Willamette River, where they are found, they could formerly be bought for a few cents each. The commonest now command a shilling, and frequently a dollar each.

476 Large triangular notched War Point; extra fine. $2\frac{1}{2}$ in. long.

477 Rude Spear Points, some of granite, a rare material, large and small, red jasper, white quartz, etc. 24 pcs.

478 Arrow and Spear Points, localities mostly marked with ink or sealing-wax; a fine variety. 24 pcs.

479 Arrow Points, mostly small, but above the size of jewelry points; localities marked in ink and sealing-wax.

480 Small Arrow Points, mostly as fine as jewelry points, and but little larger. 20 pcs.

481 Spear Heads and Fish Spears, various sizes. 10 pcs.

482 Small Arrow Points and a few Spear Heads, Howard Co., Mo. 12 pcs.

483 Arrow and Spear Points, fine lot. 10 pcs.

484 Broadly bifurcated Arrow Point, *rare*, Ireland. 2 x 1.

485 Drill or perforator. 2 x 1¼.

486 Arrow and Spear Points, white, quartz, mostly marked in ink or sealing-wax with location. 6 pcs.

487 Spear Points, labeled on the object, fair size and mostly good. 6 pcs.

488 Spear Points, flint, red jasper, etc., knife and leaf-shaped, fine lot. 10 pcs.

489 Spear and Arrow Points, good assortment, large and small. 15 pcs.

490 Arrow Points, some broken. 15 pcs.

491 Spear and Arrow Points, a better assortment, Swaine Co., N. C. 20 pcs.

492 Drills or perforators, a nice lot, mostly good. 11 pcs.

493 Leaf-shaped Arrow Heads; fine. 3 pcs.

494 Arrow Points and small Spear Heads, labelled on the objects; good variety. 10 pcs.

495 Broadly spread Arrow Point, serrated; fine.

496 Triangular War Point.

497 Stone Beads, dia. 1 in. 2 pcs.

498 War Point, notched.

499 Arrow points, neatly labelled on the objects. Ind., N. C., etc. Good assortment. 20 pcs.

500 Arrow Points, similarly marked, several of the size denominated Spear Heads. 12 pcs.

501 Large Spear Heads of quartz and feldspar from the Osage Co., Mo. Fine lot. 11 pcs.

502 Arrow and Spear Points, mostly from N. C. Good assortment, great variety and color. 27 pcs.

503 Arrow and Spear Points, some of the latter of particularly large size, mostly fine. 10 pcs.

504 Arrow Points, red jasper, obsidian, &c., of the kind usually called jewelry points, better than can now be obtained from the N. W. coast, where they used to be very common, but have now become very scarce. 10 pcs.

505 Large and small Arrow Points and Spear Heads, various localities and forms, etc. 18 pcs.

506 Jewelry Points, small size, Oregon. 20 pcs.

507 Arrow Points and Spear Head, rotary, serrated, etc. In this lot will be found most of the noted varieties; good. 31 pcs.

508 Bunts, Spear Heads and Arrow Points, fine lot. 21 pcs.

509 Points, mostly of large size, and Spear Heads. 20 pcs.

510 Spear Heads, various forms, serrated, rotary, etc.; mostly of good size. 20 pcs.

511 Arrow Points and Spear Heads, N. C. 15 pcs.

512 Arrow Points of light color, fancy stones, obsidian, etc. 70 pcs.

513 Spear Heads, mostly of dark slate. Hardly any less than 3 in. in length. 12 pcs.

514 Spear Heads, average about the same size. 12 pcs.

515 Arrow and Spear Heads, some of the latter very large. 14 pcs.

516 Arrow and Spear Points, large size and good quality. A few Scandinavian. A number of good colors; one of handsome flesh color. 15 pcs.

517 Fish Spear and Arrow Heads, a good assortment. 16 pcs.

518 Small Arrow Heads, an extra fine assortment; a few Jewelry Points. 31 pcs.

519 Ovate Spear Head, Ohio.

520 Arrow Points, mostly of white quartz, from the Valley of the Susquehanna, Pa.; a fine lot. 20 pcs.

521 Axe, called an axe with a handle, Ireland, analogous to what we call here a chisel; good and very scarce.

522 Model of the fishing implements of the Indians, from Vancouver's Island, off Alaska. Represents almost a complete set of implements used in the fisheries, including the seal, etc.

523 Arrow Points for jewelry; a fine selection, Oregon. 22 pcs.

524 Arrow Points, Flint Knives, etc. 12 pcs.

525 Disc, Macon Co., N. C. Dia., 1¼ in.

526 Jewelry Points of beautiful color, one obsidian; a fine selection. 8 pcs.

527 Jewelry Points, mostly obsidian; a fine lot. 57 pcs.

528 Agricultural Implement; Clark Co., Ind. 8 x 2.

529 Celt: Rhea Co., Tenn.; sides partly polished. 6 x 2.

530 Triangular Spear Head, Georgia, and a variegated Arrow Point from the same location.

531 Heads of Indian Idols, brought by the cataloguer from the pyramid of Cholula, where they are still to be found, and dug up by the natives in great abundance. These relics are very curious. 18 pcs.

532 Little Oregon Points, mostly obsidian, of the variety called jewelry points. 20 pcs.

533 Polished Chisel or Celt from Scandinavia. 6 x 3.

534 Spear Head, barbed and tanged. 4 x 2.

535 Mound Pottery, a fragment. 6 x 4.

536 An Indian Idol moulded in lead. N. C.

537 Arrow Point of rock crystal, another of flesh-colored stone resembling carnelian, and several more. All very fine. 6 pcs.

538 Pestle, or Muller, Ohio.

539 Scandinavian perforated Hammer: perforation only commenced.

540 Another perforated Hammer. 6 x 3.

541 Discoidal, or hammer stone, Macon Co., N. C. 4 x 5.

542 Nut Stone, sandstone, Spottiswood, N. J. 6 x 5.

543 Pestle, or Muller, one end nearly pointed. 8 x 4.

544 Celt, ends polished, edges carved. 6 x $2\frac{1}{2}$.

545 Celt, ends polished, edges carved. 4 x $2\frac{1}{2}$.

546 Scandinavian Hammer, partly perforated, remaining unfinished.

547 Discoidal, or water-worn pebble, Swaine Co., N. C. 7 x $4\frac{1}{2}$.

548 Arrow Heads and several white quartz Spear Heads: all fine. 8 pcs.

549 Triangular Arrow: this was pulled from the body of a dead buffalo into which it had been shot; Ohio. From the collection of Mr. Larkin, of N. H.

550 Spade, or agricultural implement from Osage Region, Mo.: in good condition. 5 x 2.

551 Rude Knife, Mo. 5 x $1\frac{1}{4}$.

552 Rude Spear Head, Central Mo. 4 x $1\frac{1}{2}$.

553 Digging implement, Mo. $4\frac{1}{2}$ x 2.

554 Digging implement, Osage Region, Mo. 5 x $1\frac{1}{2}$.

555 Agricultural implement, Tenn. 4 x $1\frac{1}{2}$.

556 Similar implement, New Albany, Ind. 4 x 2.

557 Agricultural implement. 4 x $1\frac{1}{2}$.

558 Agricultural implement, jasper. 3 x 2.
559 Agricultural implement. 4 x 2.
560 Jasper ornament, fine red, Alleghany Co., Pa.

ARROW HEADS, KNIVES, ETC.

561 Great Arrow Head, Scandinavia; a fine specimen though not perfectly wrought; a portion.
562 Large broad Arrow Point, Scandinavia; fine.
563 Large Arrow Point, North of Europe. 4 x 1½.
564 Knife, or Digger, light-colored stone, New Albany, Ind.; fine.
565 Knife, or Spear Head, N. Europe. 4 x 2.
566 Knife, or Spear Head. 5 x 2.
567 Spear Head, of large size and fine. 4½ x 2.
568 Arrow Points; fine. 2 pcs.
569 Spear Head, curved, Lincoln Co., Tenn. 3 x 1½.
570 Bird or Jewelry Points, Oregon. Mostly of fine colors, though some imperfect. 200 pcs.
571 Digging implements, Ind. 5 x 2. 2 pcs.
572 Wash Board, or Scrubbing Board, corrugated. From the Wagman Collection.
573 Oval Knife of flint. 5 x 4.
574 Digging implement, Ind. 4½ x 2½.
575 Sinker, from the Oregon River; notched. 2 x 2.
576 Arrow and Spear Points, some War Points; all good. 10 pcs.
577 Spear Head and Arrow Points; fine lot. 8 pcs.
578 Spear Head; end broken.
579 Large triangular Arrow Head, Mo. 4½ x 2.
580 Small Arrow Heads, mostly of white quartz. Valley of the Susquehanna, Pa. 8 pcs.
581 Small Arrow Bunts, etc. Ohio. 8 pcs.
582 Same location and description. 8 pcs.
583 Oval slate; fine, perforated. 2 x 1¼.
584 Arrow Points, various shapes and sizes. 26 pcs.
585 Jasper, appears to be toe of shoe, Rising, Ind. 5 x 3.
586 Spear Heads and Arrow Points; good lot. 10 pcs.
587 Gorget, perforated. 3 x 2. 2 pcs.

588 White quartz Arrow Heads, some nearly of crystal, Susquehanna, Pa. 14 pcs.

589 Arrow Points and Spear Heads; a number fine, being of rotary form. 10 pcs.

590 Spear Heads, large and small. 40 pcs.

591 A similar variety; rare, better; Ohio. 20 pcs.

592 Serrated Arrow Head, tanged and notched.

593 Arrow and Spear Heads, etc., variety. 10 pcs.

594 Arrow Heads and Drills; the latter scarce. 9 pcs.

595 Digging Implements; Newark and Eton, Ohio. $2\frac{1}{2}$ x 4. 2 pcs.

596 Spear Points, various sizes; Ohio. 12 pcs.

597 Spear Points, Knives, etc.; Ohio. 3 pcs.

598 Arrow and War Points. 8 pcs.

599 Spear Head, curved. $4\frac{1}{2}$ x 2.

600 Digging Tool; New Albany, Ind. 5 x 2.

601 Spear Head; Chilicothe Co., Ohio. 4 x 2.

602 Long, slender Spear Head; Madison, Ind.

603 Pendant of Metamorphic Stone, ear shape, broken through the middle.

604 Pendant of red Jasper.

605 Spear and Arrow Heads, large and small, a nice lot. 10 pcs.

606 Spear and Arrow Points, good lot; variety of forms. 7 pcs.

607 Gun Flint and a portion of a broken Indian Pipe. 11 pcs.

608 Hammer Stone, oval thumb and finger prints. 6 x $4\frac{1}{2}$.

609 Grooved Axe, syenite; Wisconsin. 7 x 5.

610 Grooved Axe, coarse sandstone; Wis. 6 x $5\frac{1}{2}$.

611 Circular Hammer Stone; Ohio. 4 x $3\frac{1}{2}$.

612 Square Flint Chisel; Scandinavia; chipped and partly polished.

613 Square, chipped Chisel, faces polished and end expanded.

614 Small, narrow, flat Chisel, top square, polished sides.

615 Chisel, ends polished, top square, broadly expanding from near the point.

616 Drills and Arrow Points, several serrated Spear Points; large variety, many of extra size. 20 pcs.

617 Bone Needle, perforated; from the Reindeer, Tenn.; a fine and rare object.

618 Fish-shaped object, from the coast of California.

619 Arrow Points, Cooper Co., Mo. 12 pcs.

620 Small narrow Chisel, Scandinavia. 5 x 1½.

621 Object resembling a petrifaction of the human foot, but probably natural, Besseville, Mo.

622 Hammer stone, interspersed with black. 5 x 3½.

623 Hammer stone or water-worn pebble, Meigs Co., Ohio.

624 Round Pestle. 6 x 3.

625 Spear Points, Drills, Arrow Heads, etc. Various American localities. Some are War Points; a portion of a broken pipe; a good lot. 100 pcs.

626 A similar lot. 114 pcs.

627 Spear Heads, many varieties in size and shape, some large; also several Drills. 72 pcs.

628 Fragment of an elegantly polished granite Celt, Western Pa. 2 x 3.

629 Large mushroom-top, hollow headed Pestle. 8 x 5.

630 Broken Arrow Points, Celts, etc.; Beverly, Mass.; chips from a prehistoric Indian workshop; includes some broken N. E. pottery. 20 pcs.

631 Rude Knife; Granger Co., Tenn. 5 x 2.

632 Similar Knives, 4 pcs.; fairly chipped.

633 A similar selection, uniform size. 5 pcs.

634 A similar selection, some larger, some smaller. 6 pcs.

635 Triangular Arrow Point; West Florida.

636 Arrow Points and Spear Points, from the Osage country, Mo.; vary from good to very fine, several coarsely serrated. 65 pcs.

637 Arrow Points, 1 fine, serrated. 2 pcs.

638 Spear Point or Knife of black flint; Tenn. 2½ x 4.

639 Another great Spade, found opposite the St. Louis, at Alton, Ill., one of the finest ever found, beautifully chipped all over; a finer implement than this has not been discovered at the West. 14 x 6.

640 Oregon Bird or Jewelry Points of light or semi-transparent stones; fine assortment. These have now become very scarce, as they are purchased by dealers at prices largely enhanced from those formerly obtained. An uncommonly good assortment to be obtained at the present time. 100 pcs.

641 Similar lot. 110 pcs.
642 Chipped Spear Head, chert, Flint Ridge, Ohio. 3 x 1.

AXES, CELTS, ETC.

643 Polished stone Axe, slate. 6 x 2.
644 Concretion from the Garden of the Gods, Manitou.
645 Oval stone Knife, Arizona. 5 x 2½.
646 Water-worn stone relic, Manitou.
647 Chalcedony stone Hatchet, Garrard Co., Ky. Very likely an agricultural implement; fine. 4 x 2½.
648 Round Pestle with edge, Montgomery Co., Ark. 5x1¼.
649 Celt of dark granite, Cherokee Co., Ga. 6 x 2½.
650 Celt, small size, granite, flats polished, blunt top. 5½x2.
651 Round Celt, Cherokee Co., Ga.
652 Celt, granite; flats polished. 6 x 2½.
653 Celt, thick, rounded top, flats polished. 3½ x 2½.
654 Elegant polished Celt; flats broken. 4½ x 2½.
655 Another of same description; fine. 3½ x 2½.
656 Axe, nearly triangular, grooved, Norristown, Pa. 5½x4½.
657 Variegated stone; presumed to possess some phallic significance.
658 Sandstone fragment from the Garden of the Gods, Arizona. 5 x 2.
659 Polished Celt, Middle Tenn. 5 x 2½.
660 Polished Celt, Ga. 4 x 2½.
661 Hematite Target stone, Mo. 2½ x 1½.
662 Plumb-bob, Garden of the Gods, Manitou. 4 x 2.
663 Garnet, nearly globular, Orange Co., N. Y. 2½ x 2.
664 Target stone, almost hemispherical, Arizona. 2½ x 2.
665 Curious form resembling in shape an animal, Col. 6 x 3 in. 2 pcs.
666 Target Stone; S. C.; nearly globular. 2½ x 1½.
667 White Marble, chipped from one of the columns in Girard College.
668 Large nearly black Celt; High Tower River, Georgia. 5 inches. Must originally have been nearly 2 feet long; this is but a fragment.
669 Large grooved Axe, very light, almost sponge-like in consistency; Harrodsburg, Ky.

670 Large grooved Axe of dark granite; Milwaukee, Wis.
671 Grooved Axe, slate, surface has been chipped, large size being nearly 12 in. in length, breadth, 5 in.
672 Large flat Celt, from Southern Ga. 7 x 3½.
673 Small, greyish, grooved Axe Head, a little chipped. 5 x 3.
674 Coarse, rough Granite Axe, grooved. 3 x 2½.
675 Dark Celt, partly polished, High Tower River, Ga. Well made. 4 x 2½.
676 Dark colored Celt, High Tower River, Ga. 5 x 3.
677 Nearly globular Wrought stone of the form called by Mr. Linney "Mammal." Dia. 2 in.
678 An arrow maker's Anvil, in form almost a cone; Spottiswood, N. J.
679 Large grooved Sinker. 4 x 3.
680 Small Disc, N. C. 2 x 1.
681 White quartz Target stone; very pretty. 2 x 1¼.
682 Oval Target stone, nearly black. 3 x 2.
683 Mammal of white barytes; dense and extremely heavy, scarce, fine. 2 x 1¼.
684 Shuttle-shaped stone, N. C.; marked with a deep incised circle. 3 x 1¼.

HAMMER STONES, PESTLES, ETC.

685 Amazon Hammer, partly perforated; good form though left unfinished, and has been partly perforated a second time. 10 x 3.
686 Round Pestle, near Auburn, N. Y. 8 x 2.
687 Water-worn Hammer Stone, nearly black. 4 x 2½.
688 Large mushroom-shaped Pestle. 6 x 2½.
689 Large mushroom-shaped Pestle. 6 x 2½.
690 Hammer Stone, nearly globular. 3 x 2¼.
691 Nearly globular Hammer Stone; Middle Tenn. 2½ x 2.
692 Another more nearly globular. 3¼ x 3.
693 Sinker or Hammer Stone. 3 x 4.
694 Grooved Hammer Stone, Axe or Maul form. 3½ x 3.
695 Sinker; Saugus River, near Lynn. 3 x 2.
696 Conical Pestle or Nut Stone; Ind. 5½ x 4.

697 Pestle of the same description, originally remarkably fine. 4½ x 4 in.
698 Light sandstone Celt; Montgomery Co., Tenn. 4 x 2½.
699 Hammer Stone, nearly globular. Dia., 3½ in.
700 Sinker, grooved; Lehigh Co., Pa. 4 x 3.
701 Quartz grooved Sinker, with thumb and finger prints. 4 x 3.
702 Small cylindrical Pestle; McDowell Co., N. C. 13 x 2.
703 Small Pestle of light and dark colored stones, commingled. 5 x 3.
704 Conical pestle; end with slight perforation for cracking nuts. 4 x 3½.
705 Egg-shaped Hammer stone; lacks the finger and thumb prints.
706 Double convex Hammer stone. 3 x 1¼.
707 Hand Pestle, conical, Bledsoe Co., Tenn. 7½ x 2½.
708 Large Pestle, or possibly intended for a Celt. 8 x 4.
709 Grooved Hammer, Tenn. 4 x 2.
710 Grooved Hammer, Ohio. 3 x 2½.
711 Grooved Hammer. 3 x 2.
712 Conical hand Pestle, largely expanding head, Ohio. 5x4.
713 Grooved Maul, Ohio. 4 x 3.
714 Hammer stone with finger and thumb prints, Lincoln Co., Ga. 4 x 4.
715 Perforated War Axe; coarse sandstone, head slightly chipped.
716 Conical Hammer, Southern Ohio. 4¼ x 3½.
717 Oval sandstone Hammer Stone, Ark. 4 x 3.
718 Grooved Hammer Stone, well made. 3½ x 3.
719 Hammer Stone, has a rudimentary groove; Lincoln Co., Tenn.
720 Large oval Hammer Stone, with finger and thumb prints. 5 x 4.

CELTS, GROOVED AXES, ETC.

721 Fine Celt; High Tower River, Barton Co., Ga. A graceful and fine form.
722 Flint Celt, from Ireland, Tyrone Co.; these implements are very rare, and cost $1.00 for each one bought in Ireland.

723 Fine small sized Celt, from High Tower River, Ga. 4x2.
724 Grooved Axe; Western N. C. $3\frac{1}{2}$ x 3.
725 Rude Scandinavian Celt, has been chipped with huge flakings. 12 x 5.
726 Small prehistoric Pipe; Northern Ohio.
727 Rude Celt, from the north of Europe. 6 x 2.
728 Hammer Stone, deep thumb and finger prints, nearly oval. $5\frac{1}{2}$ x 4.
729 Net Sinker. Chicago, Ill.; found by Mr. Rust, the archæologist, and given by him to Mr. Dean of Swanton.
730 Bunts, Arrow Points and Scrapers, Ohio; a fine lot. 15 pcs.
731 Whorl or spin stone, Scandinavia. Dia., $1\frac{1}{4}$ in.
732 Piece of pot or soapstone dish, Mass. 4 x 2.
733 Two curious and prettily wrought stones, 2 to 3 in. long. 2 pcs.
734 Head of conical Pestle. 5 x 3.
735 Pretty, graceful Celt, High Tower River, Ga.
736 Dagger, Scandinavia; finely chipped. 8 x 2.
737 Sinker of nearly gouge form, Susquehanna River, Pa. 4 x 3.
738 Hematite Celt of unusual form, size, and remarkable fineness.
739 Spear Head, pointed, rounded top, Ga. 5 x 2.
740 Spear Heads and Arrow Points; a fine lot. 27 pcs.
741 Arrow Points and Spear Heads. 21 pcs.
742 Broad and irregularly shaped Spear Heads, Central Ohio. 4 pcs.
743 Spear and Arrow Heads; most of the former of white quartz, from the Valley of the Susquehanna. 29 pcs.
744 Dark, nearly black, Celt, High Tower River; very good but for a slight imperfection near the head. 7 x 3.
745 Grooved Axe, coarse sandstone. $4\frac{1}{2}$ x $3\frac{1}{2}$.
746 Black, thin Celt, Central Ill. $3\frac{1}{2}$ x 3.
747 Grooved Axe of light colored granite. 6 x $3\frac{1}{2}$.
748 Handsome Celt, but the head broken off; of dark, nearly black syenite. 8 x 3.
749 Polished Celt, imperfect, the end gone, Allegheny Co., Pa. $2\frac{1}{2}$ x $2\frac{1}{2}$.

750 Pretty little Celt of sandstone ; of fine form and nicely finished. 4 x 2.

751 Grooved Axe, edge narrow, N. C. 5 x 2½.

752 Nicely finished Celt, the edge slightly damaged, High Tower River.

753 Large flat thin Celt, Spottiswood, N. J.; very fine. 8 x 5.

754 Grooved Hammer Stone or Maul. 2 x 2½.

755 Grooved Axe ; N. J. 5 x 2½.

756 Grooved Maul or Hammer Stone. 4 x 3.

757 Tube, nicely drilled or perforated, metamorphic stone ; a pretty object. 4 x 1¼.

758 Grooved Axe, nearly pointed top. 6 x 2.

759 Celt of dark syenite, polished all over. 4 x 2½.

760 Fine sandstone Celt ; High Tower River, Ga.; one side badly chipped near the top.

761 Large deeply-grooved Axe of metamorphic slate, head rounded.

762 Rude grooved Axe ; Susquehanna, Pa. 8 x 4.

763 Semi-cylindrical Stone, perforation commenced at end. 3 x 2½.

764 Thin, flat, grooved Axe ; N. J. 5 x 4.

765 Grooved Hammer Stone, used in copper mining ; Lake Superior. 3½ x 2.

766 Flat, broad Celt ; Eastern N. J. 7 x 4½.

767 Grooved Axe, sandstone ; Pa. 5 x 3½.

768 Nice polished Celt, top broken ; Cherokee Co., Georgia. 7 x 2½.

769 Egg-shaped stone, Macon Co, N. C. 3 x 1½.

770 Stone Ball, Clay Co., N. C. Dia. 2½ in.

771 Canoe-shaped object, wrought of black and white quartz ; polished and *rare*. 4 x 1½.

772 Discoidal of somewhat oval form ; Pennypacker collection, Pa.

773 Celt, flats polished, edges nicely chipped. 4 x 2½.

774 Celt, from Scandinavia; wrought by chipping. The original rind of the stone partly remains; many large chips have been taken off. 5 x 2½.

775 Discoidal ; Clay Co., N. C. 2 in. dia.

776 Narrow Chisel, from Scandinavia. 5 x ¾.

777 Anvil Stone; Clay Co., N. C. 3 x 2¼.
778 Anvil Stone; Clay Co., Tenn. 3½ x 3.
779 Small grooved Hammer; Wis. 2 x 3.
780 Anvil; Clay Co., N. C. 2½ x 4.
781 Grooved Maul; Wis. 4 x 2½.
782 Disc; Seaver Co., N. C. 2½ x 2½.
783 Knife, of N. J.; approaches the ordinary turtle back in form. 4 x 2.
784 Small Disc. Dia., 1¼ in.
785 Oval relic, Lincoln Co., Tenn.
786 Stone Pestle, nearly cylindrical. Length, 26, dia., 3 in.
787 Round Pestle, nearly cylindrical. 8 x 3.
788 Large polished Celt, Harlan Co., Ky. 3 x 2½.
789 Pointed Celt, Western N. C. 4 x 3.
790 Discoidal or Hammer Stone. 5 x 2½.
791 Portion of Celt; Rhea, Tenn. 6 x 3½.
792 Part of large polished Celt. 3½ x 2½.
793 Large grooved Axe, made by Kirkpatrick, Anna, Ill.; an ingenious fraud. 5 x 4½.
794 Part of prehistoric Pot, in which salt was boiled. 4 x 3.
795 Part of polished Banner Stone. 2½ x 2.

PESTLES, CHISELS, ETC.

796 Large conical Pestle; Barnwell Co., Ohio. 8 x 5.
797 Smaller Pestle; Mead Co., Ky. 5 x 3.
798 Large Tube of Sandstone, probably perforated for a pipe. 5 x 3½.
799 Cone-shaped Pestle; Brown Co., Ohio. 3½ x 3½.
800 Gouge-like Flint Chips; N. E. 2 x 2.
801 Flint Lance Head; Denmark; fine. 5 x 1¼.
802 Wedge or Celt, mostly polished; Sweden. 4 x 2.
803 Metamorphic Slate, broken; Ohio. 3½ x 2.
804 Narrow Chisel, Sweden. 4 x 2.
805 Narrow Chisel, gouge shape. 4 x 2¼.
806 Celt; Cooper Co., Mo. 5 x 2.
807 Spear Point; Denmark. 3 x 1½.
808 Lance Head; Denmark. 3 x 1½.

809 Elliptical Knife, curved; Denmark. 3 x 1½.
810 Elliptical Knife; Mo. 3¼ x 1½.
811 Narrow Flint Chisel, one end polished. 3 x 1½.
812 Crust of Flint; Denmark. 3½ x 2.
813 Narrow Flint Chisel; Denmark. 3¼ x 1½.
814 Whorl Stone; Northern Europe. 1¼ x 1½.
815 Hematite object. Dia. ¾ in.
816 Large Oregon Points; extra for size and finish. 10 pcs.
817 Spear Head, triangular, Cooper Co., Mo.
818 Discus, thin oval specimen, Hot Springs, Ark.
819 Large elliptical Spear Head, white feldspar, Mo. 4½x1½.
820 Pointed Spear Head, Mo. 4½ x 1½.
821 Elliptical, one end truncated; Ind. 3½ x 2.
822 Flint Knife, Denmark. 3½ x 2.
823 Polished Stone, metamorphic slate, Ohio. 4 x 2.
824 Similar Stone, Ohio. 3½ x 2.
825 Elliptical Lance Head, Mo. 2 in.
826 Oval elliptical Lance Head, Mo. 5 x 2.
827 Elliptical Knife, flesh-colored feldspar, Mo. 5 x 2.
828 Perforated ornaments made from the abalona shell, strung together. Western Cal.
829 Triangular Spear Head; neatly chipped and wrought. 4 x 2.
830 Triangular Spear with broad base, Mo. 4 x 1½.
831 Rudely finished Celt, Cooper Co., Mo. 4 x 2.
832 Rubbing Stone, smooth, nearly polished, Gallia Co., O. 3½ x 1½.
833 Small Pendant with minute perforation; small size, polished. 1½ x 1.
834 Slate Pendant. 3 x 2.
835 Top of a Pipe, red jasper. Dia. 1½ in.
836 Rudely finished flint Chisel, Denmark. 6 x 2.
837 Dark jasper Knife, presumed to be an agricultural implement, Chester Co., Pa. 4 x 2½.
838 Polished Celt, partly chipped. 4 x 2½.
839 Nearly quadrangular Chisel, Denmark. 3½ x 1.
840 Hollow Chisel, chipped and polished. 4 x 2.
841 Small Chisel, partly polished, Germany. 4 x 1½.
842 Elliptical Lance Head, Germany. 4½ x 2.

843 Spear Head, Ohio. 4½ x 1½.
844 Triangular serrated Spear Head; fine. 3½ x 1½.
845 Hematite Chisel, Ohio. 2 x 1½.
846 Objects of flint. Knives; one nearly semi-lunar knife. Denmark.
847 Polished slate Pendant, oval, ends truncated, Allegheny Co., Pa. 4 x 2.
848 Rude Knife, flint, Denmark. 7 x 2.
849 Another, nearly oval. 5 x 2½.
850 Shallow Gouge of sandstone, Mass. 5 x 2½.
851 Celt, Conn. 4 x 2¼.
852 Celt, High Tower River, Ga. 5 x 2.
853 Celt, jasper, N. H. 4 x 2½.
854 Celt, dark purple jasper, N. H. 4½ x 3. A scarce implement of this form and material.
855 Celt, slate, Pennypacker Collection, Pa. 3½ x 2.
856 Celt, High Tower River, Ga. 4 x 2½.
857 Oval Knife. 4 x 2.
858 Small Celt, Big Creek, Forsyth Co., Ga. 4 x 2.
859 Polished Slate; Forsyth Co., Ga. 4 x 2½.
859*a* Dagger, broken; Denmark. 6 x 1½.
860 Flint Implements, various forms, from Denmark. 2 pcs.
861 Perforated Implement, perhaps an axe.
862 Hematite Celt; Ohio. A pretty implement.
863 Rude Celt; Mercer Co., Pa. 6 x 3.
864 Polished slate stone Celt. 4 x 2.
865 Jasper, found in the ancient burial ground, Swanton, Vt. 5 x 3.

VARIOUS IMPLEMENTS.

866 Jasper Digging Implement, much polished and worn by use in excavating sand, doubtless for the mounds; East St. Louis; a fine implement. 8 x 5.
867 Canoe-shaped Implement, had two perforations, one remains. 4 x 1½.
868 Flint Celt, polished nearly all over; Denmark. 4 x 2½.
869 Polished Celt, resembles hematite, almost completely polished. 3 x 2.

870 Long, gracefully-formed Celt; Cherokee Co., Ga. 7 x 2½.

871 Slate Celt, mostly polished, from the Pennypacker Collection. 4 x 2¼.

872 Granite Celt, partly polished. 4 x 2.

873 Nice little Celt of slate. 5 x 2½.

874 Granite Celt, Ross Co., Ohio. 3½ x 2.

875 Slate Celt, partly polished. 4 x 2¼.

876 Slate Celt, about half polished. 4 x 2½.

877 Slate Celt, Yellow River, Rockdale Co., Ga. 5 x 2¼.

878 Rude Celt, appears to be of jasper. 3 x 2¼.

879 An implement called by Mr. Linney a Mammal; formed from Barytes, a dense mineral largely used for the adulteration of lead.

880 Whet or Hone Stone, carried by prehistoric people for the purpose of sharpening their awls, etc. 3 x 1¼.

881 Whet Stone or Hone Stone, carried for the purpose of sharpening implements; like the last, but less elaborately made. 3 x 3.

882 Double concave Discoidal, received from Denmark and presumed to be of Danish origin. Dia. 2¼ in.

883 Like the last, of European origin. 2½ in. dia.

884 Double convex discoidal Stone. 2¾ x 1¼.

885 Celt of Slate, mostly polished. 7 x 2½.

886 Agricultural Implements and Digging Tools of Flint and various western materials, mostly from Cooper Co., Mo., and other locations; rude in form, but doubtless correct in their attribution as agricultural implements. 89 pcs.

887 Celts of dark polished stone, various forms. 4 pcs.

888 Rude slate Celt, shore of Cumberland River, Rowena Co., Ky. 8 x 2.

889 Others as rude as the last, same location. 5 pcs.

890 Clay Stones and other rude objects, partly of Indian manufacture. Spear Heads, etc. 34 pcs.

891 Discoidal Stone, small, doubly concave; Teleco River, Ga. 2½ in. dia.

892 Double convex Discoidal Stone, Western N. C. 2¼ in. dia.

893 Disc. Finger and thumb marks, Lincoln Co., Tenn.

894 Thin Discs. Dia. 2 to 2½ in. 2 pcs.

895 Bung-shaped Disc. 2¼ in. dia.
896 Double convex disc. 1½ in.
897 Polished Slate Celt, England. 3½ x 1½.
898 Small Celt, partly polished. 2½ x 2.
899 Small granite Celt, O. 3½ x 2.
900 Small well-finished Celt, Western Ohio. 2 x 2¼.
901 Knife, Springfield, O. 4 x 2½.
902 Fragment of a wrought stone used probably for rubbing down the inequalities of strings of leather, Oneida Co., N. Y.
903 Rude Celt, Rhea Co., Eastern Tenn. 6 x 2½.
904 Celt, Denmark. 5 x 2½.
905 Roughly formed Celt, outline nearly triangular, Northern Europe. 4½ x 2½.
906 Nearly square polished stone of variegated slate. 1¼ x 1¼.
907 Polished Celt, Dandridge, Jefferson Co., Tenn.; fine.
908 Like the last, edges rubbed smooth. 3½ x 2.

DISCS, POINTS, KNIVES, ETC.

909 Disc, Swaine Co., Western N. C.
910 Disc, Lincoln Co., Tenn. 2½ x 3.
911 Disc, same location. 3 in.
912 Disc, same location. 3 in.
913 Edge of an Axe, Lincoln Co., Tenn.
914 Nice little Celt, Berks Co., Pa. 3½ x 2.
915 Disc, Western N. C. Dia. 3 in.
916 Fine doubly-barbed serrated Arrow Head, Ohio. 3 x 1½.
917 Two Arrow Points, Macon Co., N. C., one serrated, the other smaller size.
918 Semi-elliptical Spear Point; another thin and finely wrought. 4 x 1¼. 2 pcs.
919 Arrow Head, Ohio.
920 Elliptical Spear Head, large size. 4 x 3.
921 Gorget of polished slate, Central Ohio. 3 x 1.
922 Stone Awl, polished; end broken.
923 Large triangular quartz Spear Head.
924 Large semi-elliptical Spear Head, base square.

925 Oval Spear Head, thin. 3 x 1¼.
926 Broad, triangular Spear Point. 3 x 1½.
927 Oregon Points; good lot. 9 pcs.
928 Perforated or notched Stone, for smoothing strings of leather. 2 x 1.
929 Teeth, resembling human.
930 Limonite, a natural fragment; mortar-shaped.
931 Oregon Point of extra large size; between 2 and 3 in. long.
932 Oregon Points, average much above the ordinary size. 45 pcs.
933 Oregon Arrow Points; large: double the usual size. 23 pcs.
934 Oregon Points, large, like the last. 16 pcs.
935 Small Dagger, Denmark; nicely chipped. 4¼ x 1¼.
936 Slate Celt, Ireland; extra rare from that locality. County Armagh.
937 Thin, nicely wrought Knife of dark stone like true flint; chert. 4 x 2½.
938 Semi-elliptical chert Knife, Iredell Co., N. C. 5 x 1¾.
939 Nearly ovate Knife, High Tower River, Ga. 5 x 3.
940 Celt from Ireland; rare locality.
941 Digging knife-shaped implement, Upper Western Mo.
942 Ovate digging implement, Upper Osage Co., Mo. 3 x 2.
943 Reddish Celt of Slate, Denmark. 3 x 2.
944 Digging Implement, polished by wear. 4 x 1½.
945 Digging Implement, surface disintegrated. Upper Osage Co. 5¼ x 3.
946 Spear Head of pink feldspar, Dunn Co., Wis.
947 Celt of dark flint. 4 x 1½.
948 Stone Knife or Dagger, I think, of flint, and from Denmark. 4½ x 1¾.
949 Arrow and Spear Heads; a variety, large and small. Newark, Ohio. 37 pcs.
950 Small Celt of reddish slate.
951 Digging Implement, New Albany, Ind. 4 x 2.
952 Skin Dresser or Bark Peeler, Pennypacker Coll., Pa. 6 x 2½.
953 Slatey Jasper: purplish red, Chester Co., Pa. A nicely made implement for such a material. 7 x 2.

954 Rude Celt of slate. C. H. P. Coll. 6 x $2\frac{1}{2}$.

955 Polished Jasper Knife. C. H. P. Coll., Pa. 4 x 3.

956 Knives, a fine assortment, from the Pennypacker Collection.

957 Knives, or bark peelers, from the Schroyer Coll.; some of jasper, some of slate; good lot. Some of these resemble the well known turtle back of N. J. which is in reality a rarer implement than it is supposed to be.

958 Red jasper Celt. C. H. P. Coll., Pa. 3 x 2.

959 A monstrous Head of a monstrous animal.

960 Nearly globular Stone; appears to be the head of a small animal; may be of hematite.

961 Sinkers from Lehigh Valley, Pa.

962 Water-worn Pebbles and a pretty little Arrow Head, Swayne Co., N. C. 9 pcs.

963 Ornament from a pottery vase, Egyptian.

964 Prehistoric Relics from the Pyramid of Cholula, Mexico; several of these appear to be rudely formed heads, but doubtless prehistoric. One of pottery, figured with ornaments in black.

965 Celt, smooth, polished and fine. 3 x 2.

966 Whorl Stone or discoidal, double concave; Popocatapetl, the volcanic mountain just outside of Mexico. Dia. $2\frac{1}{2}$ in.

967 Obsidian Core, City of Mexico. $2\frac{1}{2}$ x $1\frac{1}{2}$.

967*a* Beads: appear to be vegetable. Dug from a western mound; 50 or more in number; a cross-shaped ornament, doubtless a Catholic amulet.

967*b* Nearly square wrought Stone, smooth and nicely finished. 2 x $2\frac{1}{2}$.

968 Fragmentary Banner Stones and Gorgets of Slate. 5 pcs.

969 Stone Needle, elliptical pointed, with groove around it; a fine implement.

970 Broken Turtle Back, Miss. 12 x 4.

971 Glass Beads from an Indian grave. 8 pcs.

972 Pottery, Spear Heads, portion of a broken Soapstone Vessel, Celts, Arrow Points, etc. One arrow point of domestic manufacture; fine and rare, as they mostly are. 6 pcs.

973 Fragments of Mound builders' and soapstone Vessels. 8 pcs.

974 Plumb Bob, of variegated light colored granite, finely wrought; Saugus River, Mass.

975 Flint Knives, Cal.; fairly wrought. 3 pcs.

976 Large Agricultural Implement, nearly oval. 5 x 3.

977 Celt from Northern Maine; scarce. Locality near Margallowy, on Umbagog Lake. $5\frac{1}{2}$ x 2.

978 Jasper, rude Lance head, Skive, Denmark.

979 Spear Point, Oboe Co., Neb.

980 Small Arrow Points for killing birds; fine; resemble jewelry points. Oregon. 10 pcs.

981 Rare hemispherical Stone; resembles jade. Minn. 1 x $\frac{1}{2}$.

982 Large, fine, Oregon Jewelry Point, more than $1\frac{1}{4}$ in. long; an unusual size.

983 Flint Arrow Point, of unusual form. $1\frac{1}{2}$ x $\frac{3}{4}$.

984 Sample of a pipe stone or catlinite; fine. 4 x $1\frac{1}{4}$.

985 Digging tools, Cooper Co., Mo. 6 pcs.

986 Triangular Spear Point, from a sand mound in Florida. $2\frac{1}{2}$ x $1\frac{1}{4}$.

987 Celt, appears to be of hematite. $2\frac{1}{2}$ x $1\frac{1}{2}$.

988 Similar instrument, appears to be Rubbing stone. 2x$1\frac{1}{2}$.

989 Rock Crystal, Ark.; fine. 1 x $1\frac{1}{2}$.

990 Neat little polished Celt, sandstone.

991 Water-worn Pebbles from various beaches on the Northeast Coast; diverse in form and color, many fine.

992 Fragment from MacKee's Rock, Alleghany Co., Pa., nicely polished, *rare* specimen. $2\frac{1}{2}$ x 2.

993 Fine Jewelry Point, notched and handsome, *rare*.

994 Blunt-edge Arrow Points, Topeka, Kansas. 2 x $1\frac{1}{4}$.

995 Jasper or Red Slate. $3\frac{3}{4}$ x 2.

996 Canoe-shaped object of soapstone; two perforations. $1\frac{1}{2}$ x 2.

997 Pottery of the American Indians, dug up near Thompson's Pond, in Maine.

998 Arrow Point, bifurcated, dark stone. $1\frac{1}{2}$ in.

999 Arrow, Spear Heads and Drills; a fine variety. 37 pcs.

1000 Large fragment of a round Indian Pestle, about 12 in. long, 2½ in. diameter.

1001 Spoon of ox horn, from an Indian grave near Fort Randolph, Dak. This probably is, or may have been, the "great horn spoon" of which we have heard so much.

1002 Axe of stone with buck-horn handle, formerly set in wood, from the Lake Dwellers of Switzerland; fine and a very rare object.

1003 Fragments of Bracelets, Anklets, etc., and other relics of the Bronze Age, found in Brighton, Sussex, England. 18 pcs.

1004 A Mortar, evidently a section of sandstone, perforated at the bottom; said to have been a mortar of large size, from Cincinnati, the home of archaeological frauds. Dia., 6 in. Height, 4 in. Capacity between a pint and a quart.

1005 Mexican Metate of lava, used to grind corn for frijoles.

1006 Coarse granite Axe, deeply grooved, smoothly finished; one of the best Indian relics.

1007 Spade or shovel; has been used in mound building since an unknown period. A patination composes a portion of this piece, partly covering its exterior and extending over a large portion of it.

1008 Hand Pestle, Mead Co., Ky. 6 x 2½.

1009 An Indian Axe, of coarse red sandstone. 8½ x 4.

AZTEC KNIVES, ETC.

1010 Obsidian sacrificial Knife, used on the stone of sacrifice in Mexico, by the Aztec priests, to disembowel human victims with, and for unheard-of cruelties. This object is said by Mr. Boban to be worth $400 in France. Symmetrical and perfect in form. 11½ x 3.

1010*a* Broad, leaf-shaped Knife; used for preparing human victims for the sacrifice, which is presumed to have witnessed the mutilation of hundreds of thousands of victims sacrificed in the beastly ordeals by which the final acts of these hellish rites were consummated. 10¼ x 3 in.

1010*b* A leaf-shaped sacrificial Knife used for disemhowelling human victims; broken. Length as it is, 10¼ x 3.

1010*c* Broad, leaf-shaped sacrificial Knife of Chalcedony, of beautiful and graceful form, with which hundreds of persons have undoubtedly been murdered. 6¾ x 3. The finest and best knife of the class in the collection.

1010*d* Another leaf-shaped Knife, the same character as the last. 6¼ x 3.

1010*e* Sacrificial Knife, leaf-shaped and elliptical; used in preparing for human sacrifices. 5 x 2.

1010*f* Another of the same character. 4 x 2.

1011 Obsidian Core, used for splitting off knives, from which many have been fabricated.

1011*a* Obsidian Core, from which many smaller knives have been cut.

1011*b* Obsidian Core for making small knives by chipping.

1011*c* Obsidian Core, like the last.

1011*d* Obsidian Core for flaking knives.

1011*e* Like the last; many of the knives may be seen in the collection.

1011*f* Like the last.

1011*g* Obsidian Knife. 4 x 1.

1011*h* Narrow, keen, obsidian Knife. 3 x ¾.

1011*i* Fine obsidian Knife. 4 x 1.

1011*j* Obsidian triangular Arrow Blade. 1 x ¾.

1012 Fine large obsidian Core for flaking knives.

1012*a* Large obsidian Core for flaking small knives.

1012*b* Obsidian Core for flaking knives.

1012*c* Lip Ornament or tentell; obsidian, nicely polished and finely made.

1012*d* Small obsidian Knife. 3 x 3¼.

1012*e* Flaked Core of Obsidian.

1012*f* Obsidian Core.

1012*g* Knife of Obsidian. 4 x ¾.

1013 Core of Obsidian; many knives have been split off, some in this collection; fine.

1013*a* Obsidian Core.

1013*b* Obsidian Core.

1013*c* Obsidian Flakes and Knives, large and small; some fine. 6 pcs.

1014 Prehistorics from the caves of France; various forms and kinds.

1015 Prehistorics (paleolithic); including engraved reindeer bones, globular beads or bones; more than a hundred in number, from the caves of France. Knives from the same source.

1016 Large Hammer or nut stone, three indentations; New Albany, Ind.

1017 Some extra fine Arrow Points and Spear Heads from Ohio, together with several drills from the same location, some fragments of Indian pottery, portion of an immense prehistoric relic of amber from Scandinavia; as many as 20 pieces or more, found in the Lightbody cabinet. Fragments of pipes, etc.; portions of several immense Japanese coins,—5 pieces.

IMPLEMENTS OF NATIVE COPPER.

1018 Native Copper Knife, pointed and double edged. The outer edge turned in, probably for the purpose of inserting a handle of wood. Length 8 in., width 1 in. The exceeding rarity of prehistoric implements in copper and bronze is well known; the State Historical Society of Wisconsin possesses the largest known collection, comprising more in number than all others combined.

1019 Native Copper Spear, or arrow head, fine and nicely formed. Length, 3½ in., width, 1 in.

1020 Native Copper Spear Head, triangular and pointed; very fine, injured by corrosion. Length, 5½ in., width 2 in.; from Lansing, Michigan; found by Edgar Watson.

1021 Native Copper Chisel, one end thin, but still of unusual thickness, the other end rudely hammered to a cutting edge; the entire surface patinated with green. 3½ x 2 in. A fine implement, and of the highest rarity.

1022 Bronze or Copper Pipe Tomahawk. I have never before seen such an implement in this metal, and know not if it be copper or mixed metal like brass: it is certainly a most rare and curious implement, and if it be of bronze or brass, I believe it to be unknown hitherto.

1023 Iron or Steel Tomahawk, combined with a calumet, very artistical in its form. These war-like implements were obtained from European sources, and are doubtless either French or English. This last Tomahawk has a greatly enlarged eye. Length 8¾ in., width of blade 3¼ in.

1024 An iron knife resembling copper. Length 7½ x 1½.

1025 An iron spear, barbed for killing muskrats or fish. Length 13 x ¾.

1026 An iron implement, resembles a shoe horn, though aboriginal man is presumed not to have worn shoes.

AMULETS AND BANNER STONES.

These objects are among the choicest works of Indian art or workmanship. They are extremely rare, and unsurpassed for beauty. The amulets, so called, are described as bird and bar amulets, distinguished by difference in form. The former are suggestive of a bird. These, with all the other prehistoric relics in this collection, are derived from various localities in Michigan. Most of the Banner stones, Amulets and Gorgets are of selected materials, being principally of Jasper, Metamorphic Slate, and other fine minerals. The Gorgets are distinguished by having two perforations by which they are supposed to have been suspended when worn.

1027 Bird Amulet, with long and somewhat graceful neck, Length 4, height 2¼ in.

1028 Bird Amulet, of red metamorphic slate, from Parma, Michigan; the usual transverse perforations are missing from this object, though they are usually very pronounced. Length 3½ in., height 2 in.

1029 Bird Amulet, Albion, Mich., green metamorphic slate, with fine transverse openings. One eye has had the misfortune to be broken off, but it still remains a very fine object. Length 5½ in., height 2 in.

1030 Large Bird Amulet, of metamorphic slate, both ends imperfect, but shows its outlines sufficiently well. Length, 5½ in.; height, 3 in.

1031 Bar Amulet, metamorphic slate, imperfect, both ends broken, showing the transverse perforations completely. 3 x 1 in.

1032 Bar Amulet, of metamorphic slate, one end imperfect. 2½ x 1 in.

1033 A string of Pottery Beads, taken from an Indian grave in Michigan. Two pottery ornaments were found with it; one appears to be a fish, the other is covered with hieroglyphics, which appear to be Indian or Japanese. 19 pcs.

1034 Bar Amulet, end broken, in other respects fine.

1035 Bar Amulet, enlarged in the middle; fine, *very rare.*

1036 Bar Amulet, form suggesting the last described; very fine and *very rare.*

1037 Banner Stone of red jasper; fine, large perforation; resembles in form an axe with two blades; a beautiful object of great rarity. 3 x 2 in.

1038 Gorget of Mineral Coal; Albion; fine for material and workmanship; two small perforations; fine. 5 x 2.

1039 Banner Stone of metamorphic slate, somewhat broken, but sufficient remaining to illustrate by a drawing its natural form. $4\frac{3}{4}$ x $3\frac{1}{4}$.

1040 Gorget of red slate, one end expanded to greater width than the other extremity; fine. $4\frac{1}{4}$ x 2.

1041 Gorget of "thread-winder" shape, both sides hollowed and both ends expanded, perforations small; of metamorphic slate; a very fine object. $3\frac{3}{4}$ x $2\frac{3}{4}$.

1042 Pendant of red jasper or slate; one large perforation; one end expanded. Ends, 2 x $2\frac{1}{2}$ in.; length, $4\frac{1}{2}$ in.

1043 Banner Stone, horn-shaped, of metamorphic slate; fine perforation, and originally a very fine and *rare* object. $6\frac{1}{4}$ x $1\frac{1}{2}$.

1044 Eliptical Gorget, Jackson. 5 x 2.

1045 Banner Stone, the transverse perforation never made, fan-shape or double triangular; metamorphic slate; fine. $5\frac{3}{4}$ x $3\frac{3}{4}$.

1046 Gorget, fine example of metamorphic slate; two fine perforations. $4\frac{3}{4}$ x 2.

1047 Gorget, two large perforations; ends contracted in thickness; Springport. 5 x 2.

1048 Gorget of dark slate, two small perforations. 4 x 2.

1049 Green slate Gorget, one large perforation. 4 x 2.

1050 Dark slate Gorget, winder-shape, both ends expanded, large perforations. $3\frac{1}{2}$ x $2\frac{1}{2}$.

1051 Gorget, narrows at the ends, reddish slate. $4\frac{1}{2}$ x $1\frac{1}{2}$.

1052 Gorget of metamorphic slate, two imperfect perforations. 2½ x 1½.

1053 Gorget, two small perforations, ends narrowed. 4½ x 2.

1054 Butterfly-shaped Banner Stone, perforated as a Gorget; metamorphic slate. 2½ x 2½.

1055 Gorget of dark slate, two small perforations. 4 x 1½.

1056 Banner Stone closely resembling 1054 in perforation and material. 2½ x 2½.

1057 Gorget, large perforation, material of metamorphic slate; the finest example I have ever met with for beauty and polish; large perforation. 5¼ x 2¾.

1058 Gorget, large perforation, beautiful material, larger at one end than the other. 5¼ x 2¾.

1059 Hone Stone or Whetstone, middle expanded, two fine perforations. 3 x 1¾.

1060 Banner Stone, broken, large perforation, both horizontal and perpendicular. 3¾ x 2.

1061 Large Gorget, two small perforations. 6¾ x 2½.

1062 Pendant, one large perforation, metamorphic slate. 3½ x 2.

1063 Gorget, two small perforations, slate. 2½ x 2.

1064 Gorget, two small perforations, red slate. 3 x 1½.

1065 Gorget, two small perforations near together, dark slate. 4 x 1½.

1066 Gorget or Pendant, ends expanded, large perforation, red slate. 4½ x 2.

1067 Gorget, narrow, elliptical, thin at the ends. 5½ x 1.

1068 Gorget of reddish slate. 2½ x 1½.

1069 Pendant, green slate, large perforation. 3½ x 2¼.

1070 Gorget, bluish slate, Albion. 4½ x 1¾.

1071 Gorget, one large perforation. 3½ x 2.

1072 Banner Stone, half anchor-shaped, metamorphic slate; *very rare* form. 4¼ x 2.

1073 Pendant, nearly elliptical, greenish slate. 3 x ½.

1074 Perforated Celt, of light colored stone. 3 x 1.

1075 Pendant, slate. 3 x 1¼.

1076 Broken Banner Stone, of metamorphic slate, originally a fine object. 3½ x 1.

1077 Pendant of red slate, one large perforation. 4 x 2¼.

1078 Elliptieal Gorget, ends contracted; very fine in form and material. 4 x 1.

1079 Red slate Gorget, two fine perforations. $3\frac{1}{2}$ x $1\frac{1}{2}$.

1080 Pendant of red slate, fine perforation. $4\frac{1}{2}$ x 2.

1081 Banner Stone with one transverse and one perpendieular perforation. 2 x $1\frac{1}{2}$.

1082 A Spoon or Dipper, concavo-eonvex, made of shell or bone; has a neat perforation; very fine. $2\frac{1}{2}$ x $2\frac{1}{2}$.

1083 Jasper Paint Cup, the perforation effected with mueh labor and very neat, the two portions fit each other nicely. $2\frac{3}{4}$ x 2.

1084 Coffin-shaped Pendant without perforations. 5 x $1\frac{3}{4}$.

RUBBING STONES, ETC.

1085 Rubbing Stone of polished metamorphic slate, ends contracted; a very fine object. $6\frac{1}{2}$ x $1\frac{1}{2}$.

1086 Rubbing Stone of red slate, ends contraeted both in width and thickness: fine. $5\frac{3}{4}$ x 1.

1087 Whetstone of slate, sides nearly parallel. $4\frac{3}{4}$ x $1\frac{3}{4}$.

1088 Another Whetstone, similar form, Albion. $4\frac{3}{4}$ x $1\frac{1}{4}$.

1089 Another Whetstone with parallel sides, Albion; fine. $4\frac{1}{4}$ x $1\frac{1}{4}$.

1090 A eurious nondeseript objeet, deseribed by the finder as of red and green slate; polished. $6\frac{1}{2}$ x 2.

1091 Nondescript object resembling half of a pair of horns, metamorphic slate, polished. $4\frac{1}{2}$ x $\frac{1}{2}$.

1092 A triangular objeet, grooved all around; marked "June 10, 1852." Of brownish slate.

1093 A muller-shaped implement, rounded and enlarged at one end. $2\frac{1}{2}$ x 1.

1094 Triangular Rubbing Stone of red slate. 6 x 1.

PREHISTORIC PIPES, ETC.

1095 Pipe with a head resembling an animal; thought by the finder to have been prehistoric; the end through its entire length is of carved stone. 3 x $1\frac{1}{2}$.

1096 Pipe, appears to be of chlorite, from Springport; very finely finished, but unfortunately broken. $5\frac{1}{2}$ x $1\frac{3}{4}$.

1097 Pipe of white stone resembling chalk, evidently prehistoric, but perforated for a wooden stem. $2\frac{1}{2}$ x $1\frac{1}{2}$. *Very fine.*

1098 Pipe; has been much smoked; neatly made, without stem. $1\frac{1}{2}$ x 1.

1098*a* Pipe; long, pestle-shaped; longitudinal perforation commenced, no perforation for stem; fine sandstone. $3\frac{1}{2}$ x 2.

1099 Small Catlinite Pipe; has been much used, but very fine. $1\frac{1}{2}$ x 1.

1100 Block-tin Pipe; once the property of old Condagon, a Chippewa chief, from whom it was received by a friend of Mr. Tremper and presented to him. 8 x $1\frac{1}{2}$.

1101 Hammer Stone with thumb and finger impressions; of dark sandstone. 4 x $3\frac{1}{2}$.

1102 Discoidal Stone, of soft, light sandstone; good. $4\frac{1}{2}$x$4\frac{1}{2}$.

1103 Winder of metamorphic slate; *fine.* $6\frac{1}{2}$ x 4.

1104 Knife or agricultural implement, of variegated feldspar, running from white through various grades of color to black; a very fine implement. $4\frac{1}{2}$ x 3.

1105 A sharp Tool, like the blade of an axe, metamorphic slate; fine.

CELTS.

1106 A Celt made of polished stone resembling feldspar, one end finished nearly to an edge, the remainder nearly half an inch thick; graceful in form and fine of execution, running from nearly white to dark colors. 5 x $3\frac{1}{2}$.

1107 Celt or ungrooved axe, of mottled diorite, characterized by Mr. Tremper as the finest specimen of diorite he has ever seen; probably a finer does not exist. 5 x $2\frac{1}{2}$.

1108 Ungrooved Celt of black material, polished; *very fine.* 5 x 2.

1109 Celt of black diorite, no groove; beautifully polished. $4\frac{3}{4}$ x $2\frac{1}{2}$.

1110 Celt of large size and very fine; of fine grey diorite. $7\frac{1}{2}$ x 3.

1111 Celt of the same material; equally fine. 8¼ x 3.

1112 Another Celt; about like the last and equally good. 8¼ x 3.

1113 Celt; highly polished, of diorite, almost black, and with nearly cutting edge.

1114 Celt of dark diorite. 4¾ x 3.

1115 Celt of diorite, nearly black, resembles hematite. 4 x 2½.

1116 Celt of nearly black diorite. 4½ x 2.

1117 Celt; ungrooved, fine. 5 x 2.

1118 Celt of dark color, with nearly cutting edge. 4¾ x 2.

1119 Celt; very good, medium size. 4 x 2½.

1120 Celt, with nearly cutting edge. 4 x 2.

1121 Celt, metamorphic slate; New Richmond, O. 4 x 2½.

1122 Celt of light, nearly yellowish diorite. 5 x 2½.

1123 Celt, nearly black; Albion. 3½ x 1¾.

1124 Celt, has rudimentary groove. 4 x 2½.

1125 Celt, nearly black. 3 x 2.

1126 Celt of slate, Duck Lake. 4½ x 2.

1127 Celt of diorite, partly polished, dark. 3 x 1¾.

1128 Celt of diorite, partly polished. 5 x 2.

1129 Celt, partly polished, slate. 4¾ x 1¾.

1130 Celt, metamorphic slate, partly polished, fine. 4½ x 2.

1131 Celt, beautifully mottled diorite, partly polished. Duck Lake. 3½ x 1¾.

1132 Grooved axe; shows much decay incident to age. 5 x 2.

1133 Celt, resembles a grooved axe. 5½ x 3.

1134 Celt, slate, Lang Lake. 4½ x 2.

1135 Celt, edge expanding, head contracting. 4¼ x 1½.

1136 Small Celt of diorite; has nearly cutting edge. 2½ x 1½.

1137 Fine Celt, nearly black, Devereux. 5¼ x 1¾.

1138 Celt-shaped stone, from Cincinnati; the honest prehistoric men of this city couldn't even make a celt and do it decently. 3½ x 2.

1139 Celt, looks like hematite, but is not. 2¾ x 1½.

1140 Celt, expanded at the edge. 3 x 1½.

1141 Celt, of light mottled diorite. 3½ x 2.

1142 Stone Chisel of dark grey stone, fine grained and partially polished; a perfect specimen and a fine object; handle nearly round. A singular form. 8 x 2.

GROOVED AXES.

1143 Grooved Axe, from Aztec Mine, L. S.; of dark granite. 8 x 5.

1144 Large deeply grooved Axe; head much elongated. 8 x 3½.

1145 Grooved Axe, groove shallow and very broad, Albion. 6 x 3.

1146 Grooved Axe of dark diorite, groove nearly polished. 4½ x 3.

1147 Grooved Axe of dark granite or diorite, deep groove, edge contracted. 5 x 4.

1148 Grooved Axe, one edge flattened. 5 x 3.

1149 Grooved Axe of light mottled diorite, Duck Lake. 4½ x 3.

1150 Grooved Axe, short, with head much elongated, Duck Lake. 5½ x 4.

1151 Slightly grooved Axe, hardly more than celt-shaped. 4¾ x 3¼.

1152 Grooved Axe, groove of slight depth. 5 x 2½.

1153 Grooved Axe, groove slight, of light diorite. 4¾ x 2½.

1154 Grooved Axe, nearly polished. 4 x 2½.

1155 Grooved Axe, rudely made, Aztec Mine, L. S. 5 x 3½.

HAMMER STONES OR MAULS.

Many of these objects were brought from Lake Superior, in the mines of which they were formerly used in mining copper. They vary in dimensions, running from the size of a child's head to that of an orange.

1156 Maul or mallet, grooved; of granite. 6 x 5.

1157 Maul, of about the same size, and similar material. 7 x 5.

1158 Maul, same material. 8 x 6.

1159 Maul, smaller than any of the preceding. 6 x 4.

1160 Another granite Maul. 7½ x 6.
1161 Maul of dark diorite, from Greenland. 7½ x 5½.
1162 Maul of uncommonly large size. 9½ x 6½.
1163 Nearly globular Maul. 6½ x 6.
1164 Maul, in form somewhat conical. 7 x 6.
1165 Maul, grooved, approaches triangular. 7 x 5.
1166 Maul of light granite, grooved. 6 x 5.
1167 Grooved Maul, oval. 6 x 5.
1168 Grooved Maul, nearly kidney-shaped. 5½ x 5.
1169 Grooved Maul of mottled diorite. 6 x 5½.
1170 Grooved Maul, Aztec mine, L. S. 6 x 4.
1171 Grooved Maul, same locality. 6 x 5.
1172 Grooved Maul. 5½ x 4.
1173 Grooved Maul, about like the preceding. 4½ x 4.
1174 Small grooved Maul, from the copper mines of Lake Superior. 5 x 3½.
1175 Grooved Maul; same locality. 6 x 4.
1176 Small grooved Mauls. 5 x 4.
1177 Another Maul, grooved, similar to the last. 5 x 4.
1178 Another Maul, similar to the preceding, but smaller. 4 x 4.
1179 Hammer stone, grooved. 5 x 3½.
1180 Another Hammer stone. 4 x 3½.
1181 Another. 5½ x 4.
1182 Grooved Maul. 4 x 3.
1183 Grooved Maul. 5 x 3.
1184 Stone Ball of light diorite. 4½ in. dia.
1185 Another Ball. 4½ in. dia.
1186 Another Ball of smaller size, Duck Lake. 3 in.
1187 Stone Ball. 1½ in.
1188 Stone Balls. 1 in. dia. 2 pcs.
1189 Nut stone. These are supposed to have been used for cracking walnuts which grew plentifully in their region; covered with semi-globular depressions 8 x 5.
1190 Nut stone, of smaller size; *very fine.* 6 x 6.
1191 Nut stone; on two sides are twenty depressions. 7 x 6.
1192 Nut stone; only one depression. 6 x 5.
1193 Another, on which appears eight concavities. 7 x 7.

PESTLES, ETC.

1194 Long slender Pestle, Devereux. 12 x 2½.
1195 Long slender Pestle, Albion. 12½ x 3.
1196 Long Pestle, Albion. 11 x 2¾.
1197 Slender cylindrical Pestle, Albion. 9½ x 2.
1198 Cylindrical Pestle, one end diminished in size, Kalamo, Eton Co. 8 x 2.
1199 Cylindrical Pestle, Albion. 7 x 2.
1200 Cylindrical Pestle. 6½ x 2¼.
1201 Pestle. 5 x 2.
1202 Cylindrical Pestle. 4 x 2½.
1203 Nut crackers or Pestles, supposed to have been used with the nut-stones before described. 5 x 3. 2 pcs.
1204 Spade, from the Mississippi region, the surface largely polished with sand. A spade of unusually large size and fine finish. 10½ x 6.
1205 Iron Tomahawk. Doubtless bears the mark of the English manufacturer from whom all these implements of murder were received. 5 x 3.
1206 Rubbing stone of light sandstone, square sides, nearly cubical. 5¼ x 3.

SPEAR HEADS AND ARROW POINTS.

All the following pieces are from various places in Michigan as mentioned.

1207 Spear Head, Albion; *fine*. 8½ x 3. The largest spear head I have ever met with and certainly one of the finest.
1208 Another of the same quality. 7½ x 2¾.
1209 Black Spear Head, resembles obsidian, Lewis River, Albion, Mich. 7 x 2.
1210 Elliptical Spear Head of dark grey flint. 6¼ x 3.
1211 Large light colored Spear Head, nearly elliptical, Devereux. 5½ x 2¾.
1212 Spear Head, nearly white, elliptical. 5¾ x 2.
1213 Rude Knife, nearly white, Albion. 4½ x 3¼.
1214 Rude Knife, nearly white. 4¾ x 3.

1215 Rude Knife, nearly black, Albion. 4¼ x 3.

1216 Large rude Knife, white and grey, Albion. 5 x 3¾.

1217 Large Spear Head or Knife, has been broken, Duck Lake. 5¼ x 2.

1218 Large barbed Spear Head ; *fine*. 5 x 1½.

1219 Large, nearly square Knife, Albion. 3½ x 3.

1220 Large Spear Head, pointed and nearly triangular, with broad tang or stem. 6 x 1½.

1221 Spear Head with large barbs, dark flint. 4½ x 2¾.

1222 Triangular Spear Head of flesh-colored feldspar ; fine and handsome. 4½ x 2½.

1223 Spear Head from Winnepeg Lake, dark flint. 6 x 2.

1224 Spear Head of dark color, barbed and tanged. 5½ x 2.

1225 Spear Head with broadly expanded barbs, shield-shaped ; extra quality. 3 x 2½.

1226 Large triangular Spear Head, barbs deeply notched. 4 x 2½.

1227 Spear Head, serrated and deeply notched, Albion. 3¾ x 2.

1228 Spear Head, broad stem. 4½ x 2.

1229 Spear Head, broad base, broadly barbed. 3 x 2.

1230 Spear Head of dark variegated flint, nearly elliptical. 4¼ x 2.

1231 Dark Spear Head, almost elliptical. 4½ x 2.

1232 Spear Head of light flesh-colored flint, variegated with rich colors. 4½ x 2¼.

1233 Broad oval Spear Head, dark colors. 3½ x 2.

1234 Spear Head, triangular. 4 x 2.

1235 Triangular Spear Head, broad base, Devereux. 5 x 1½.

1236 Spear Head of a pretty, translucent stone, base broad with deeply indented barbs. 3¾ x 1¾.

1237 Spear Head of coarse quartz-like stone. 5½ x 2.

1238 Spear Head of the same variety of stone as 1222 ; equally fine. 2¾ x 1½.

1239 Spear Head of nearly black stone. 3 x 1½.

1240 Spear Head, coarse, nearly black stone, Winnepeg Lake. 5 x 1¼.

1241 Flint Knife, irregularly chipped, Albion. 4½ x 2½.

1242 Black stone, perhaps a knife, Springport. 3½ x 2½.

1243 Flint Chips, nicely flaked. 2 pcs.

1243*a* Knife of curiously variegated stone, marked in black. 2¾ x 2.

1244 Arrow Points, large and small, but most will average of medium size and of good quality. 20 pcs.

1245 Another lot, mostly of smaller size. 25 pcs.

1246 Arrow Points, small size. 45 pcs.

1247 Arrow points; a good lot. 60 pcs.

1248 Spear Heads; a fine and large lot. 37 pcs.

1249 Another lot of Spear Heads, average usually the smallest variety. 36 pcs.

1250 Arrow Points, average small, but all above jewelry point size, some fine. 63 pcs.

1251 Another lot of Arrow Points, larger than the last. 50 pcs.

1252 Arrow Points; average of small size. 48 pcs.

1253 Spear Heads, large size; fine variety. 36 pcs.

1254 Spear Heads; average a little above the usual size. 75 pcs.

1255 Spear Points; average above usual size, good. 50 pcs.

1256 Spear Points and Arrow Heads, average a little smaller; a good lot. 55 pcs.

1257 Another lot; average of good quality. 74 pcs.

1258 Arrow and Spear Points; similar lot. 46 pcs.

DRILLS AND BOBAN ANTIQUES.

1259 Drill or Borer. Without doubt the finest implement of its size of this kind I ever met with, having a point almost hair-like in its fineness and perfection; of white jasper, with well-defined handle crossed at the head. 3¼ x 1.

1260 Drill, smaller and as fine as the last, handle equally well made; the finest drill I ever yet met with. 1½ x ⅝.

1261 Drill or Spear Head. A fine boring implement of hard stone. 3¼ x 1.

1262 Object of polished red stone, long bead-shaped, but without perforation.

1262*a* A poisoned Indian Arrow, supposed to be poisoned with venom of snakes, and is thought to be a safe thing to let alone. A feathered reed with poisoned arrow point. 28 in. long.

1263 A few objects of paleolithic prehistorics from the Boban Collection. 4 pcs.

1264 A few articles from the Boban Collection recently sold in New York. These pieces are mostly reproductions in fac-simile of the original bones of reindeer horn from various celebrated European localities, now in the Museums of Europe. All are elaborately finished and in rarity next to the originals. 30 pcs.

1265 Flint Core and Flint Knives from the Boban Collection; a very fine lot. The knives are especially fine. 27 pcs.

1266 Paleolithic Knives from the great caverns of France; fine and *very rare*. 2 to 8 in. each. 10 pcs.

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